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Penn State Intercom

News in Brief

Faculty Aide Program to help graduate students

The University has implemented a new Faculty Aide Program to help graduate students meet the cost of education, according to Dr. B.F. Howell Jr., associate dean of the Graduate School.

Faculty aides will receive \$6 per hour for assisting faculty or administrators in their official University duties. The aide's responsibilities will be similar to those of a graduate teaching or research assistant.

Faculty interested in obtaining an aide to work with them should phone the Office of Student Aid, which is coordinating the program, at 865-6301. Award amounts will be determined by the student's financial need as demonstrated by the Financial Aid Form and by the number of credits he or she is carrying.

"We are hoping that faculty will urge needy graduate students to apply for an aide position as soon as possible in Room 135 Boucke," Dean Howell says. "The student must complete the Financial Aid Form, which will be evaluated by College Scholarship Service, a process that requires several weeks and costs the student \$4.75.

"If the student already has applied to borrow money through the University, he or she will probably have completed the Financial Aid Form, and thus need only complete the shorter aide application."

The University is providing 20 percent and the federal government 80 percent of the funds used to pay students working through this program.

Terrace Room schedule

The HUB Terrace Room Cafeteria will be open on a regular schedule of Monday through Friday only, during the 1979-80 academic year. Lunch will be served from 11:30 a.m. to 1:15 p.m. and dinner from 4:45 p.m. to 6:45 p.m. In addition, the Terrace Room will be open on each Saturday of a home football game. The hours for these special Saturday openings will be lunch from 10:30 a.m. to 1 p.m. and dinner from 4:30 p.m. to 6 p.m.

Songs from black musicals to be performed Sept. 6

"Black on Broadway," a program of songs from all-black Broadway musicals, will be presented at 8 p.m. Thursday, Sept. 6, in Schwab Auditorium.

Among the shows tapped for the performance are *Treemonisha*, *Carmen Jones*, *House of Flowers*, *Lost in the Stars*,

Purlie and Porgy and *Bess*. The cast includes Cassandra Hayes, soprano; Marla McDaniel, mezzo-soprano; Michael Austin, tenor; and Don Kawash, piano.

There is no admission charge for the performance, which is sponsored by the Paul Robeson Cultural Center.

Cartwright to chair University Park United Way

Dr. Carol A. Cartwright, professor of education, has been named chairperson of the University Park Campus United Way.

In announcing the appointment, President Oswald said: "I am very pleased that a person of Dr. Cartwright's competence and commitment has agreed to give leadership to the United Way this year."

As University Park Campus United Way chairperson, Dr. Cartwright will head up a steering committee and oversee the implementation of the 1979 campaign.

Dr. Cartwright, a member of the faculty since 1967, is in charge of graduate programs in curriculum and instruction in the College of Education.

Amplification

INTERCOM obviously needs its consciousness raised. The Aug. 16 issue carried an announcement from the University Park Bookstore of temporary openings during the first two weeks of Fall Term.

These positions are open to all spouses of faculty and staff members—not just to wives as the original article said. Contact William McVicker, 863-0205.

Graduate assistantships available at Computation Center

Several assistantships have unexpectedly become available at the Computation Center. Students with sufficient background and interest in the use of computers need not be majors in computer science in order to qualify.

Duties include consulting for research users of computer facilities. Applicants should have at least two computer courses or equivalent programming experience. A knowledge of statistics and JCL is valuable.

Applications should be filed with D.L. Benitt, Room 214 Computer Building, 863-0422. Concurrence of the applicant's department head will be sought, and the appointments will be offered as soon as possible, to be effective starting Fall 1979.

Independent Study course receives national award

Penn State's Department of Independent Study by Correspondence has been awarded the "Meritorious Independent Study Course Award" for its informal correspondence course, Nutrition 7385.

The national award is presented annually by the National University Extension Association for the most innovative non-credit correspondence course developed.

The University's course, which is entitled "Fat Chance," is designed to improve the food selection, eating habits and activity patterns of the family. The program emphasizes preventative as well as corrective measures in addressing the problems of diet and weight control. "Fat Chance" was authored by Dr. Anthony R. D'Augelli, associate professor of human development, and Dr. Helen Smicklas-Wright, associate professor of nutrition.

This is the eighth consecutive award The Department of Independent Study by Correspondence has received for the development of original credit and non-credit correspondence programs.

Concert Choir holding auditions for Berlioz "Requiem"

Penn State's Concert Choir, under the direction of Raymond Brown, is now holding auditions for new members in the Choir Office, Room 214 Eisenhower Chapel.

The major work for this year's choir season will be the Berlioz *Requiem* (*Messe des morts*), written for tenor, chorus, orchestra and brass bands. It will be performed in Pittsburgh in February 1980 with the Pittsburgh Symphony Orchestra, Andre Previn conducting.

The Berlioz *Requiem* was written for a choir of unusual proportions. Twice as many male voices are needed as female; so the emphasis in the auditions will be on male candidates.

Anyone interested in auditioning for the concert choir should call 865-6548 and ask for the Choir Office.

Exhibit on black women on view at Robeson Center

"Black Women: Achievements against the Odds" will be on view at the Paul Robeson Cultural Center, Walnut Building, from Sept. 6 to Oct. 7.

The exhibition, which is touring under the auspices of the Smithsonian Institution Traveling Exhibition Service, was organized by the Anacostia Neighborhood Museum. In its examination of the achievements of black women in America, it focuses on both known personalities and little recognized figures.

The exhibition is divided into nine major sections: literature, medicine, civil rights, education, law and judiciary, government, fine arts, performing arts, and business and industry. The accomplishments of some 150 women are presented through the use of printed biographical and historical materials, photographs and silk-screened illustrations.

New look

With this issue, INTERCOM gets a new look. It is being printed on newsprint, part of a process that will result in significant financial savings to the University.

For the benefit of those members of the University community who were not in residence during Summer Term, we repeat the announcement which appeared in the July 12 issue, notifying readers that INTERCOM and the PENN STATE REPORTER have been combined into a single weekly publication. In addition to the dollar savings, a careful editorial analysis of the two publications over a three-month period found that 42.6 percent of the material appearing in both publications overlapped.

INTERCOM will be mailed regularly to all members of the University community. It will make every effort to represent the interests of its readers, and comments will be welcomed.

Everything you always wanted to know about the Faculty — Staff Directory . . .

How do I obtain a listing in the Directory?

On joining the University, all full-time members of the faculty and staff are supposed to fill out an Office Address and Telephone Information Form (OATI) and a W4 form. The former supplies the information contained in its title, along with permission to publish it. The W4 form contains your home address and phone number. These forms are kept on file in the Payroll Division, as is information on job titles, which is supplied by individual departments on a Personnel Recommendation Form. These three information sources generate the data for the Telephone Directory Information Form.

When is the deadline for changing my listing?

5 p.m. tomorrow (Aug. 31).

What happens if I forget to return my Directory form?

Your listing will be based on the information on that form.

Last year I changed my office address and telephone number on the directory form. Why doesn't the change appear on the 1979-80 form?

You cannot use the directory form to make a permanent change in your office address or number. This can only be done by sending in a new OATI form. To change your job title, you should file a Payroll Change Form.

How can I make a permanent change in my home address and telephone number?

You must fill in a new W4 form.

Why was my name omitted even though I returned my form?

Last year when the printer pasted up

the Directory, a number of names were lost. This year Management Services has compiled a count of the names to be included. The printer will also keep a tally, so if the two don't match, corrections can be made.

Can I obtain a listing in the Directory if I work part-time?

That's up to the department for which you work. Telephone Services will be happy to list you if your department says you need to receive telephone calls. Part-time personnel, adjunct professors and visiting professors are eligible for listings.

When will the Directory appear?

The printer is supposed to deliver the directories by the 15th working day in October.

Why isn't the Directory ready in September when school opens?

Departmental listings are prepared by Telephone Services, and camera ready copy for this section has already been completed. However, many faculty appointments are not processed until August. Management Services then needs two or three weeks to make additions and changes. Telephone Services will receive a computer printout of all faculty-staff listings by Sept. 14 for checking, and by Sept. 25 all the tapes will be delivered to the Office of Publications for transmittal to the printer.

Who is entitled to a Directory?

Each department receives one Directory for each of its telephones.

How much does it cost to print the Directory?

Nothing! The printer produces the Directory free of charge for the privilege of selling advertising in it.

University Park Calendar

FALL TERM 1979

Thursday, August 30

Preregistration for Winter Term, 1980, Room 112 Shields, through Sept. 24.

Friday, August 31

Registration for Fall Term, 8 a.m.-5 p.m., IM Bldg.

Continuing Education registration, 9 a.m.-5 p.m., Room 101 Kern.

University Choirs audition, 9 a.m.-4 p.m., Rooms 212 Chapel & 112 Music Bldg. 865-6548 for information.

HUB Craft Center registration, noon-5 p.m., Room 312 HUB. Also Sept. 1-2 and 4-8.

Week of Sept. 3

Monday, Sept. 3

Labor Day, Holiday, University offices closed.

Tuesday, Sept. 4

Fall Term classes begin, 8 a.m.

HUB station for Drop/Add, weekdays, 1-4 p.m., through Sept. 24.

Air Pollution Seminar, 2:30 p.m., Room 140 Fenske. Robert J. Heinrich, mechanical engineering, on "Pennsylvania Air Pollution Regulations."

Wednesday, Sept. 5

HUB Craft Center demonstration, 11:30 a.m., Fisher Plaza.

Commonplace Theatre, *The Maltese Falcon*, 7 p.m.; *Casablanca*, 9 p.m., Room 112 Kern.

Sports: soccer, vs. Lock Haven.

Thursday, Sept. 6

Meteorology Seminar, 3:55 p.m., Room 112 Walker. A.K. Blackadar, meteorology, on "Some Views of Life and the Practice of Meteorology in the Peoples Republic of China."

Commonplace Theatre, *The Maltese Falcon*, 7 p.m.; *Casablanca*, 9 p.m., Room 112 Kern. HUB Craft Center Open House, 7:30-9:30 p.m., Room 112 HUB.

Robeson Cultural Center, *Black on Broadway*, with Cassandra Hayes, soprano; Maria McDaniels, mezzo-soprano; Michael Austin, tenor; Don Kawash, piano, 8 p.m., Schwab. Free.

Friday, Sept. 7

Last date for registering with foreign language depts. (other than French and Spanish) for written language examinations.

France-Cinema, Werner Herzog, *Aguirre, The Wrath of God*, 7 and 9 p.m., Room 112 Kern.

Artists Series Film, *Gone With the Wind*, 8 p.m., Eisenhower Auditorium.

Saturday, Sept. 8

Sports: field hockey, Lady Lion Invitational, through Sept. 9.

PSOC Hiking Division, ascent of Mount Nittany, via north face, 1:30 p.m., rear of HUB.

Commonplace Theatre, *Tommy*, 7 and 9 p.m., Room 112 Kern.

Sunday, Sept. 9

Free University registration, 11 a.m.-4 p.m., HUB Ballroom.

Commonplace Theatre, *Tommy*, 7 and 9 p.m., Room 112 Kern.

Week of Sept. 10

Monday, Sept. 10

Shakespeare Film, *Oliver, Richard III*, 6:30 p.m., Room 112 Chambers. Free.

France-Cinema, *Aguirre, The Wrath of God*, 7 and 9 p.m., Room 112 Kern.

Tuesday, Sept. 11

Gallery talk, 10:30 a.m., Museum of Art. Mary Lou Kruttschnitt on "Pennsylvania German Illuminated Manuscripts."

Comp. Lit. Luncheon, 12:15 p.m.; talk, 1 p.m., Hotel State College. William Schaefer, executive vice chancellor and provost, UCLA, on "The Future of Foreign Languages."

University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

Shakespeare Film, *Oliver, Richard III*, 6:30 p.m., Room 112 Chambers. Free.

Penn State International Dancers auditions, 7 p.m., Room 133 White. 865-7591 for information.

Artists Series Film, *Tom Jones*, 8 p.m., Eisenhower Auditorium.

English Colloquium, 8 p.m., Room 101 Kern.

William Schaefer, former executive director, MLA, on "The Future of the Profession: or. The Elephants Are Kindly but They're Dumb."

Wednesday, Sept. 12

Shakespeare Film, *Hall/Rigg, A Midsummer Night's Dream*, 6:30 p.m., Room 112 Chambers. Free.

Dept. of Architecture Films, *Mr. Freedom*, a social satire, 7 p.m.; *Fahrenheit 451*, 9 p.m., Room 112 Kern.

Black Studies Open House, 7:30 p.m., HUB Gallery Lounge.

Humanities Lecture, 8 p.m., Room 101 Kern.

Stephen Toulmin, National Humanities Institute, Univ. of Chicago, on "Vienna and the Spirit of Modernism."

Thursday, Sept. 13

Late registration deadline.

Add deadline.

Nelson W. Taylor Lecture in Materials Science, 4 p.m., Room 26 Mineral Sciences. Turner Alfrey, Jr., The Dow Chemical Company, on "Polymeric Materials - A Historical Review."

Shakespeare Film, *Hall/Rigg, A Midsummer Night's Dream*, 6:30 p.m., Room 112 Chambers. Free.

Dept. of Architecture Films, *Mr. Freedom*, 7 p.m.; *Fahrenheit 451*, 9 p.m., Room 112 Kern.

Friday, Sept. 14

Sports: soccer, vs. Long Island.

France-Cinema, Claude Chabrol, *Violette*, 7 and 9 p.m., Room 112 Kern.

Nelson W. Taylor Lecture in Materials Science, 4 p.m., Room 26 Mineral Sciences.

Turner Alfrey, Jr., The Dow Chemical Company, on "The Effects of Mechanical Processing on the Structure and Performance of Thermoplastic Polymers."

Artists Series, Anthony and Joseph Paratore, duo piano, 8:30 p.m., Schwab.

Saturday, Sept. 15

Sports: football, vs. Rutgers, Beaver Stadium. Commonplace Theatre, *If, 7 p.m.*; *Oh Lucky Man*, 9 p.m., Room 112 Kern.

Performing Arts Festival, John Sowers, magician, 7 p.m.; Penn State Singers, 8 p.m., Schwab.

Sunday, Sept. 16

Commonplace Theatre, *If, 7 p.m.*; *Oh Lucky Man*, 9 p.m., Room 112 Kern.

Week of Sept. 17

Monday, Sept. 17

Last date for Nov. graduates to activate diploma cards in Registrar's Office and to pay these fees in Bursar's Office.

France-Cinema, *Violette*, 7 and 9 p.m., Room 112 Kern.

Performing Arts Festival, Rustical Quality String Band & Red Rose Cotillion Band, 8 p.m., Schwab.

Tuesday, Sept. 18

Gallery Talk, 10:30 a.m., Museum of Art. Roy Buck and Dick Jones, organizers of "Heritage Sampler," walk through the exhibit.

Comp. Lit. Luncheon, 12:15 p.m.; talk, 1 p.m., Hotel State College. Murray Martin, University Libraries, discusses Nobel Prize-winning novelist Patrick White.

Comp. Lit. Film Series, Sidney Lumet, *The Seagull*, 6:45 and 9:05 p.m., Room 112 Kern.

Performing Arts Festival, Contemporary Dance Company, 7 p.m., HUB Ballroom.

Wednesday, Sept. 19

Alard String Quartet, 8:30 p.m., Music Bldg. Recital Hall. Free.

Thursday, Sept. 20

Board of Trustees meeting, Keller Bldg.

Sports: field hockey, vs. Millersville.

Performing Arts Festival, Lou Sopoci, piano; Unity Christian Dance Ministry; Donna Jagiello, 8 p.m., Music Bldg. Recital Hall.

Friday, Sept. 21

Pass/Fail.

Last date for applying for Graduate School Tuition Grant-in-Aid for Winter Term 1980.

Board of Trustees meeting, Keller Bldg.

Sports: soccer, vs. Alderson-Broadus. Commonplace Theatre, *The Apprenticeship of Duddy Kravitz*, 7 and 9 p.m., Room 112 Kern.

Performing Arts Festival, women singers and performers, 7 p.m., Robeson Cultural Center.

Artists Series, Forrest Tucker and Butterfly McQueen in *Showboat*, 8:30 p.m., Eisenhower Auditorium.

Saturday, Sept. 22

Hot Show, 10 a.m.-9 p.m., tents in Flower Gardens.

Sports: football, vs. Texas A&M.

France-Cinema, Eric Rohmer, *Perceval*, 7 and 9:30 p.m., Room 112 Kern.

Performing Arts Festival, Orchestra Dance Company, 7 p.m., Robeson Cultural Center.

Sunday, Sept. 23

Hot Show, 10 a.m.-4 p.m. Sales of some show materials, 4 p.m., tents in Flower Gardens.

Commonplace Theatre, *The Apprenticeship of Duddy Kravitz*, 7 and 9 p.m., Room 112 Kern.

Performing Arts Festival, "Encore-Best Performances of Festival," 8 p.m., HUB Ballroom.

Artists Series, Estelle Parsons in *Miss Margerida's Way*, 8:30 p.m., Schwab.



Week of Sept. 24

Monday, Sept. 24

Pass/Fail.

Drop deadline.

Course repeat deadline.

Preregistration deadline for Winter Term 1980.

New deadline for Winter and Spring Terms. IAHS faculty research grant applications, Isheng Cottage.

France-Cinema, *Perceval*, 7 and 9:30 p.m., Room 112 Kern.

Tuesday, Sept. 25

Last date for written foreign language examinations (other than French and Spanish) for advanced degree candidates.

Comp. Lit. Luncheon, 12:15 p.m.; talk, 1 p.m., Hotel State College. Peter Clemoes, medievalist, Cambridge Univ., speaker.

Sports: soccer, vs. West Chester.

Comp. Lit. Film Series, Antonioni, *The Red Desert*, 7 and 9 p.m., Room 112 Kern.

Archaeological Institute of America Lecture, 8 p.m., Room 101 Kern. Brunilde Ridgway.

Bryn Mawr College, on "Architect and Sculptor in the Sixth Century Athens."

Artists Series Film, Akira Kurosawa, *Seven Samurai*, 8 p.m., Schwab.

English Colloquium, 8 p.m., Room 305 HUB.

Peter Clemoes, Cambridge Univ., on "Symbolic Language in Old English Literature."

Wednesday, Sept. 26

Raymond Page, viola, 8:30 p.m., Music Bldg. Recital Hall. Free.

Thursday, Sept. 27

CSA, Macrame Workshop, 7:30 p.m., Room 112 Kern.

Friday, Sept. 28

Last date for applying for 1980 Study Abroad (Fulbright) Awards.

Commonplace Theatre, *Kentucky Fried Movie*, 7 and 9 p.m., Room 112 Kern.

Artists Series, Pinchas Zukerman, violin, 8:30 p.m., Eisenhower Auditorium.

Saturday, Sept. 29

Last date for Nov. graduates to deliver doctoral theses to committee.

Sports: field hockey, vs. Lock Haven.

France-Cinema, Rainer Werner Fassbinder, *The Bitter Tears of Petra Von Kant*, 7 and 9 p.m., Room 112 Kern.

Sunday, Sept. 30

Commonplace Theatre, *Kentucky Fried Movie*, 7 and 9 p.m., Room 112 Kern.

Week of Oct. 1

Monday, Oct. 1
Outdoor Pool closes officially. Open on temporary basis if weather permits.
Fixed date for meetings involving Commonwealth Campus faculty.
France-Cinema, *The Bitter Tears of Petra Von Kant*, 7 and 9 p.m., Room 112 Kern.
HUB Craft Center Open House, 7:30-9:30 p.m., Room 112 HUB. Also registration for 2nd session classes, Oct. 1-6.
June Miller, organ, 8:30 p.m., Music Bldg. Recital Hall. Free.
Tuesday, Oct. 2
Fixed date for meetings involving Commonwealth Campus faculty.
Comp. Lit. Luncheon, 12:15 p.m.; talk, 1 p.m., Hotel State College. Terry Peavler, Spanish & comp. lit., on "Teaching Film and Literature: A Few Principles."
University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.
Sports: field hockey, vs. Maryland.
Comp. Lit. Film Series, *Juri Menzel, Closely Watched Trains*, 7 and 9 p.m., Room 112 Kern.
Artists Series Film, *Wuthering Heights*, 8 p.m., Schwab.

Wednesday, Oct. 3
Afro-American Studies Forum, 7:30 p.m., Room 112 Kern. Stanley E. Baker, Virginia Commonwealth Univ., on "Reading and Language Arts Teaching: A Case for Judicial Intervention."
Thursday, Oct. 4
GSA, Chinese Cooking Workshop, 7:30 p.m., Room 102 Kern.
Sports: field hockey, vs. Delaware.
University Theatre, *The Michael Christofer, The Shadow Box*, 8 p.m., The Playhouse.

Friday, Oct. 5
HUB Craft Center demonstration, 11:30 a.m., Kern Lobby.
Sports: soccer, vs. Lafayette.
Commonsplace Theatre, *Psycho*, 7 p.m.; *North by Northwest*, 9 p.m., Room 112 Kern.
University Theatre, *The Shadow Box*, 8 p.m., The Playhouse.
Saturday, Oct. 6
Last date for final oral examinations for Nov. graduates.
Last date for Nov. graduates to deliver masters' theses or papers to Graduate School.
Sports: field hockey, vs. Ohio State.
Artists Series, Neil Simon, *Chapter Two*, 3 p.m. and 8:30 p.m., Eisenhower Auditorium.
France-Cinema, *Fassbinder, Germany in Autumn*, 7 and 9 p.m., Room 112 Kern.
University Theatre, *The Shadow Box*, 8 p.m., The Playhouse.

Sunday, Oct. 7
Commonsplace Theatre, *Psycho*, 7 p.m.; *North by Northwest*, 9 p.m., Room 112 Kern.

Week of Oct. 8

Monday, Oct. 8
Shakespeare Film, *Oliver, Hamlet*, 6:30 p.m., Room 112 Chambers. Free.
France-Cinema, *Germany in Autumn*, 7 and 9 p.m., Room 112 Kern.
Raymond Brown, baritone, 8:30 p.m., Music Bldg. Recital Hall. Free.

Tuesday, Oct. 9
Comp. Lit. Luncheon, 12:15 p.m.; talk, 1 p.m., Hotel State College. Margaret Allan, author, on "The Achievement of Margaret Fuller."
Shakespeare Film, *Williamson, Hamlet*, 6:30 p.m., Room 112 Chambers. Free.
Comp. Lit. Film Series, *Kurosawa, Throne of Blood*, 7 and 9 p.m., Room 112 Kern.
University Theatre, *The Shadow Box*, 8 p.m., The Playhouse.
Artists Series, *Murray Louis* Dance Company, 8:30 p.m., Eisenhower Auditorium.

Wednesday, Oct. 10
Friends of the Museum Gallery Talk, 8 p.m., Museum of Art. Bill Davis, assistant director of Museum, on "The Setting Up of a Museum Exhibit."
University Theatre, *The Shadow Box*, 8 p.m., The Playhouse.

Thursday, Oct. 11
Sports: field hockey, vs. East Stroudsburg.
GSA, Macrame Workshop, 7:30 p.m., Kern Lobby.
University Theatre, *The Shadow Box*, 8 p.m., The Playhouse.

Friday, Oct. 12
Homecoming parade and fireworks.
Sports: soccer, vs. Maryland.

France-Cinema, *Scola, We All Loved Each Other So Much*, 7 and 9 p.m., Room 112 Kern.
Colloquy, Gil Eagles discusses ESP and hypnosis, 8 p.m., Eisenhower Auditorium.
University Theatre, *The Shadow Box*, 8 p.m., The Playhouse.
Artists Series, *The Anselm Chamber Players*, 8:30 p.m., Schwab.
Saturday, Oct. 13
Sports: men's fencing, vs. Alumni, 8 a.m.; football, vs. Army (Homecoming).
Homecoming Oktoberfest, Nittany Lion Inn, following football game.
Commonsplace Theatre, *Pink Floyd: Live at Pompeii*, 7, 8:30 and 10 p.m., Room 112 Kern.
Penn State Glee Club, Homecoming Concert, 7:30 p.m., Eisenhower Auditorium. Free.
University Theatre, *The Shadow Box*, 8 p.m., The Playhouse.
Sunday, Oct. 14
University Choirs Special Homecoming Chapel Service, 11 a.m., Music Bldg. Recital Hall.
PSOC Hiking Division, "Flaming Fall Foliage Hike," "Thickhead Wild Area, 9 a.m., HUB parking lot.
Alumni Brunch, HUB Ballroom.
Sports: soccer, vs. LaSalle.
Commonsplace Theatre, *Pink Floyd: Live at Pompeii*, 7, 8:30 and 10 p.m., Room 112 Kern.

Week of Oct. 15

Monday, Oct. 15
Shakespeare Film, *Oliver, Hamlet*, 6:30 p.m., Room 112 Chambers. Free.
France-Cinema, *We All Loved Each Other So Much*, 7 and 9 p.m., Room 112 Kern.
Monte Bedford, oboe, 8:30 p.m., Music Bldg. Recital Hall. Free.

Tuesday, Oct. 16
Comp. Lit. Luncheon, 12:15 p.m.; talk, 1 p.m., Hotel State College. Edwin Thumboo, specialist in African studies and poet, Univ. of Singapore, speaker.
Shakespeare Film, *Williamson, Hamlet*, 6:30 p.m., Room 112 Chambers. Free.
Archaeological Institute of America Films, 7:30 p.m., HUB Assembly Hall. "The Ancient World: Egypt" and "The Ancient World: Greece," Free.
Artists Series Film, *Akira Kurosawa, Dersu Uzala* (The Hunter), 8 p.m., Schwab.
University Theatre, *The Shadow Box*, 8 p.m., The Playhouse.

Wednesday, Oct. 17
University Theatre, *The Shadow Box*, 8 p.m., The Playhouse.
Alard String Quartet, 8:30 p.m., Music Bldg. Recital Hall. Free.

Thursday, Oct. 18
GSA, Plant Care Workshop, 7:30 p.m., Room 101 Kern.
University Theatre, *The Shadow Box*, 8 p.m., The Playhouse.

Friday, Oct. 19
Sports: soccer, vs. Fordham.
Commonsplace Theatre, *Alice's Restaurant*, 7 and 9 p.m., Room 112 Kern.
University Theatre, *The Shadow Box*, 8 p.m., The Playhouse.

Saturday, Oct. 20
Artists Series, *Little Red Riding Hood*, opera for children, 10:30 a.m. and 2:30 p.m., Schwab.
France-Cinema, *Claude Gorretta, The Lacemaker*, 7 and 9 p.m., Room 112 Kern.
University Theatre, *The Shadow Box*, 8 p.m., The Playhouse.
Penn State Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sunday, Oct. 21
Shaver's Creek Nature Center, Pioneer Crafts Festival, 1-5 p.m., Stone Valley.
Commonsplace Theatre, *Alice's Restaurant*, 7 and 9 p.m., Room 112 Kern.

Week of Oct. 22

Monday, Oct. 22
Last date for Nov. graduates to deliver theses to Graduate School.
Last date for Departments to certify to Graduate School completion of required papers for Nov. graduates.
First day to sign Winter Term NDSL and University Long Term Loans, Room 108 Shields.
France-Cinema, *The Lacemaker*, 7 and 9 p.m., Room 112 Kern.
Colloquy, Vincent Bugliosi, attorney and author of *Helter Skelter*, speaks, 8 p.m., Eisenhower Auditorium.

Tuesday, Oct. 23
Comp. Lit. Luncheon, 12:15 p.m.; talk, 1 p.m., Hotel State College. Bruce Matzlik, psychichristian, M.T.T. speaker.
College of Agriculture Faculty meeting, 4 p.m., Room 301 Ag. Admin. Bldg.
Sports: field hockey, vs. Cortland; soccer, vs. Pittsburgh.
Comp. Lit. Film Series, *Marcel Camus, Bahia*, 7 and 9 p.m., Room 112 Kern.
Colloquy, Dick Gregory speaks, 8 p.m., Eisenhower Auditorium.
English Colloquium, 8 p.m., Room 101 Kern.
Thomas Rogers, English, reads from his new novel.

Wednesday, Oct. 24
Comp. Lit. Film Series, *Bahia*, 7 and 9 p.m., Room 112 Kern.
Musica da Camera, 8:30 p.m., Music Bldg. Recital Hall. Free.
Thursday, Oct. 25
GSA, Ski Repair Workshop, 7:30 p.m., Room 101 Kern.

Friday, Oct. 26
PSOC Hiking Division, all night vigil on Mount Nittany for the Great Pumpkin, through Saturday.
France-Cinema, *Suept Away*, 7 and 9 p.m., Room 112 Kern.
Barbara Thomson, organ, 8:30 p.m., Music Bldg. Recital Hall. Free.

Saturday, Oct. 27
Sports: football, vs. West Virginia.
GSA, Commons Halloween Party, 8 p.m., Room 102 Kern.
Artists Series, Dresden State Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sunday, Oct. 28
Karen Eckenroth, soprano, 3:30 p.m., Music Bldg. Recital Hall. Free.
France-Cinema, *Suept Away*, 7 and 9 p.m., Room 101 Kern.

Week of Oct. 29

Monday, Oct. 29
Last day to sign Fall Term NDSL and University Long Term Loans, Room 108 Shields.
Late drop deadline.

Tuesday, Oct. 30
Comp. Lit. Luncheon, 12:15 p.m.; talk, 1 p.m., Hotel State College. Wendell Harris, English, speaks.
Comp. Lit. Film Series, *Ray, Aparajito*, 7 and 9 p.m., Room 112 Kern.

Archaeological Institute of America Lecture, 8 p.m., Room 101 Kern. Alan Borgheold, classics, Brown University, on "Epigraphy as a Tool in Archaeological Research."

Wednesday, Oct. 31
Colloquy Halloween Special. Ed and Lorraine Warren, seekers of the supernatural, speak, 8 p.m., Room 102 Kern.
Penn State Brass Choral, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, Nov. 1
GSA, Vegetarian Cooking Workshop, 7:30 p.m., Room 102 Kern.
French Dept., *Saint-Exupery, Le Petit Prince*, performed by Compagnie Bernard Uzan, 7:30 p.m., Schwab.

Friday, Nov. 2
Sports: soccer, vs. Temple.
Artists Series, Music from Marlboro, 8:30 p.m., Schwab.

Saturday, Nov. 3
Sports: football, vs. Miami (Fla.).

Week of Nov. 5

Monday, Nov. 5
France-Cinema, Wim Wenders, *The American Friend*, 7 and 9 p.m., Room 112 Kern.
Mieja Ahn, piano, 8:30 p.m., Music Bldg. Recital Hall. Free.

Tuesday, Nov. 6
Comp. Lit. Luncheon, 12:15 p.m.; talk, 1 p.m., Hotel State College. Lorraine Kapitanoff, Slavic languages, on "Art Treasures of Russia."

Comp. Lit. Film Series, *Ray, World of Apu*, 7 and 9 p.m., Room 112 Kern.
Artists Series Film, *Women in Love*, 8 p.m., Schwab.

Wednesday, Nov. 7
Shakespeare Film, *Scotfield/Brook, King Lear*, 6:30 p.m., Room 112 Chambers. Free.
Robert Tudy, baritone, 8:30 p.m., Music Bldg. Recital Hall. Free.

Thursday, Nov. 8
Shakespeare Film, *Scotfield/Brook, King Lear*, 6:30 p.m., Room 112 Chambers. Free.

Friday, Nov. 9
Sports: soccer, vs. Connecticut

Saturday, Nov. 10
Last date to submit petition to Records Officer to graduate in absentia in Nov.
Sports: men's fencing, Men's Open, 8 a.m., through Nov. 11.
Penn State Symphony Orchestra Young People's Concert, 10:30 a.m., Eisenhower Auditorium.

Week of Nov. 12

Monday, Nov. 12
Fall Term classes end, 9:55 p.m.
Last day to sign Fall Term Emergency Loans, Room 108 Shields.

Tuesday, Nov. 13
Final examinations.
University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

Wednesday, Nov. 14
Final examinations.

Thursday, Nov. 15
Final examinations.
Board of Trustees meeting, Keller Bldg.

Friday, Nov. 16
Final examinations.
Board of Trustees meeting, Keller Bldg.

Saturday, Nov. 17
Sports: football, vs. Temple, exhibition basketball, "Athletes in Action."
Residence Halls close for Fall Term, 3 p.m.

Week of Nov. 19

Monday, Nov. 19
Fixed date for meetings involving Commonwealth Campus faculty.

Tuesday, Nov. 20
Fixed date for meetings involving Commonwealth Campus faculty.

Thursday, Nov. 22
Thanksgiving Day, University offices closed.
Saturday, Nov. 24
Sports: football, vs. Pittsburgh.
Sunday, Nov. 25
Residence Halls open for Winter Term, 10 a.m.
Fall Term Commencement, 1:30 p.m., Rec. Hall.

Exhibits

Ferguson Lobby:
Jerry Rebyurn, "Games Made of Wood," through Sept. 28.

HUB Galleries:
"Roma Interrotta," original architectural drawings, through Sept.
Rome Hanks and Mary Edith Miller, photographs, month of Oct.
Homecoming exhibits, Oct. 1-15.
HUB Craft Center exhibits, month of Nov.

Kern Commons Galleries:
Richard Chavka, glass, through Sept. 1.
Mahn Chanbati, ceramics, Sept. 4-22.
Harley Strauss, photographs, "Cities, U.S.A.," photos, Sept. 8-29.
Tsing-fang Chen, paintings, Sept. 29-Oct. 27.
Harriet Rosenberg, multi-media, Oct. 6-20.
Roy Fender, hamburger ceramics, Oct. 20-Nov. 3.

BFA/MFA candidate: exhibit, prints and papermaking, "Year of the Child," exhibit from United Nations Association, Oct. 27-Nov. 17.
Mitchell Weiss, ceramics, Nov. 3-24.

Museum of Art:
Open daily noon-5 p.m., except Mondays. Free tours on Sundays, 1:30 p.m.
Works by Arthur B. Davies, on the collection of Mr. and Mrs. Herbert Brill, through Sept. 9.

"Heritage Sampler," through Sept. 23.
Recent work by George Zoretich, Sept. 16-Oct. 21.
French drawings from the former Armand Goblet collection, opens Nov. 11.

Pattee Library:
Diane Pease, papermaking, East Corridor Gallery, through Sept. 17.

Robeson Cultural Center:
"Black Women: Achievements Against the Odds," biographical and historical texts, photographs, silk-screened illustrations, Sept. 8-Oct. 7.

Zoller Gallery:
Undergraduate students' exhibit, through Sept. 9.
Faculty exhibit, Sept. 16-Oct. 7.
Siskind Photographic Shop, Oct. 14-Nov. 4.
Betty Parsons and Clinton Hill exhibits, opens Nov. 11.

Penn Staters

Dr. Forrest J. Remick has been appointed as one of six voting members of the Governor's Energy Council. Dr. Remick is assistant to the Vice President for Research and Graduate Studies and professor of nuclear engineering. The Council's charge is to develop a comprehensive energy plan for the Commonwealth and to coordinate and distribute federal and private energy funds to implement planning and conservation efforts, and research and development of new energy sources. It will also collect and disseminate information relating to energy conservation and innovative uses of available resources; evaluate existing and new energy plans, policies and programs; prepare a data base for existing resources and uses; and operate the state emergency allocation set aside program.

Dr. Harold E. Mitzel, associate dean for research in the College of Education, has been named editor of the forthcoming fifth edition of the *Encyclopedia of Educational Research*. Dr. John H. Best, head of the Division of Education Policy Studies and professor of education, and Dr. William Rabinowitz, professor of educational psychology, have been named associate editors. The *Encyclopedia of Educational Research* is a publication of the American Educational Research Association.

Dr. Larry O. Gamm, associate professor of community development and chairman of the Center for Community Research, presented a paper at the recent organizational meeting of the International Voluntary Action Research Organization, held at the University of Grenoble's Institute of Economic and Social Administration. The paper, entitled "Citizen Involvement in Solid Waste Siting," was developed with the support of the Institute for Research on Land and Water Resources.

Dr. David A. Long, associate professor of civil engineering, has received the Hazeltine Award of the Water Pollution Control Association of Pennsylvania in recognition of his contributions in the water quality management field.

Dr. H. Seymour Fowler, professor of education, recently presented a paper at sessions of the International Confederation of Associations for Science and the Caribbean Regional Organization of Associations for Science Education meeting in Barbados. His topic was "Using the Environment to Teach Science."

James W. Hilton has been promoted to assistant professor of agricultural engineering and agricultural education, effective Sept. 1. He received his Ph.D. from Iowa State University Aug. 15.

Bookshelf

Dr. Robert B. Eckhardt, associate professor of anthropology, is the author of a book, *The Study of Human Evolution*, published recently by The McGraw-Hill Book Company.

The 596-page book is designed for beginning students in biological anthropology, a diverse audience which includes undergraduates and graduate students. Its use by those at different levels of sophistication is made possible by having the core text augmented by more advanced mathematical methods and case studies that are identified as supplements within chapters and as appendices at the ends of chapters.

The organizing theme for all of the subject matter is evolution, which is the central theoretical principle in modern population biology. The approach taken within this framework is to describe our knowledge of the genetic and environmental determinants of variation in living humans and our nonhuman primate relatives, emphasizing the dynamics of how this knowledge has been acquired,

rather than suggesting that the subject consists of a static body of unchanging facts. From this perspective, with the present serving as a guide to the past, the last one hundred million years of primate and human evolution are reconstructed.

The Study of Human Evolution is used in Introductory Physical Anthropology (Anthropology 21) at Penn State. All royalties on copies sold at Penn State will be placed in the Davis Fund for the Study of Human Evolution, established to honor the author's father-in-law, Dr. Joseph Davis, a physician and scholar who is now retired. Dr. Davis was instrumental in guiding Dr. Eckhardt into the study of human evolution. The fund may be augmented by contributions from individuals and organizations interested in the field, with the proceeds to support Penn State students working in this area.

Dr. Joan D. Mandel, assistant professor of sociology at the Delaware County Campus, is the author of *Women and Social Change in America*, published recently by Princeton Book Company.

The 240-page work is a sociological account of women in American society, particularly since 1960. It analyzes and integrates ideological, demographic, economic, technological and collective personality factors in social change, and explores the relationship between them and the changing status of women.

It also demonstrates how these changes triggered the emergence of the Women's Liberation Movement and contributed to its organization, structure and goals. Finally, it explores the possible effects of the Movement itself on women's lives and on broader social change.

The book is intended as a college reference book in courses dealing with social change, social movements, and sex roles.

Retirements

Dr. Simon Belasco, professor of Romance linguistics and head of the Linguistics Program, has retired with the rank of professor emeritus of Romance linguistics.

Recently, Dr. Belasco was named recipient of the Educator-of-the-Year Award of the Pennsylvania Modern Language Association, and he will receive the award at the Association's annual conference this fall in Edinburgh, Pa.

A Fellow of the Institute for the Arts and Humanistic Studies, Dr. Belasco joined the faculty in 1953 after teaching at the University of Pennsylvania.

He has written or co-authored several books on applied linguistics and on the teaching of French in high school and college, and was editor and co-author of two versions of *The Manual and Anthology of Applied Linguistics in French, German, Italian, Russian and Spanish*.

Temple University conferred his B.S. degree, and his M.A. and Ph.D. were earned at the University of Pennsylvania.

Currently, Dr. Belasco is conducting research on several dialects of southern France. He is residing in Columbia, S.C., where he will be affiliated with the University of South Carolina.

Dr. Barbara Raffel Price, assistant professor of law enforcement and corrections in the Division of Community Development, College of Human Development, retired from the University on June 30 after 10 years of service.

Dr. Price, who will continue to reside in State College, has accepted the position of associate professor of criminal justice in the Department of Law and Police Science at CUNY's John Jay College of Criminal Justice.

Dr. Price's research has focused on analyses of complex organizations, particularly criminal justice organizations, from a sociological perspective. She is author of the book, *Police Professionalism: Rhetoric and Action*, and co-author of *Justice and Crime Treatment*.

She earned her B.A. in sociology from Smith College and her M.A. and Ph.D., both in sociology, from Penn State.



Mary E. Godfrey, assistant professor of art education, retired July 1 after 22 years of service with the University.

After receiving the B.F.A. from Pratt Institute and an M.A. from Columbia University, she was employed as a high school teacher and supervisor of art. From 1947 to 1957 she was assistant state supervisor of art education for the Virginia Department of Education.

Prof. Godfrey joined Penn State's art education faculty in 1957, teaching courses in elementary and secondary art education, supervision, and introduction to crafts. She has studied art education laboratories in Pennsylvania, as well as art rooms and facilities for junior high schools. Her paintings and craft works have been exhibited in both Pennsylvania and Virginia.

Staff Vacancies

The following vacancies for positions classified as staff exempt from staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Sept. 4, 1979. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

INSTRUCTIONAL RESOURCES SPECIALIST, College of Medicine Responsible for production, dissemination and maintenance of all electronic and photographic audiovisual media and their related physical assets. He/she will be responsible for the direction of all television productions. Operate and maintain reproduction and dissemination equipment within the department.

APPLICATIONS ANALYST/PROGRAMMER — OFFICE OF THE UNIVERSITY REGISTRAR, University Park Responsible to the Coordinator of Data Systems and Procedures for conducting analysis of data processing problems, relating to the scheduling of classes, pre-registration, registration and record keeping. Determine detailed requirements to solve problems, prepare and modify computer programs to satisfy desired end results. Investigate systems equipment and techniques and make recommendations for installation. Bachelor's degree or equivalent and one to two years of directly related experience in computer programming and analysis.

RECORD SUPERVISOR, DHIA — COLLEGE OF AGRICULTURE, University Park Check DHIA barn sheets daily; return any reports with errors or information missing to the supervisors for correction. Maintain file on the status of each herd. Audit each new herd entering the program for the basic data needed. Report status of herds to county agents monthly. Assist with DHIA short courses and special projects as necessary. Supervise filling of processed reports; audit special reports which are forwarded to the breed association offices. Answer telephone questions about status of and/or errors in DHIA reports. Inform DHIA fieldman of needed changes in reporting procedures by DHIA supervisors. High school graduation or its equivalent with one to two years of directly related experience in dairy farming, report forms and the principles of data processing required.

RESEARCH AIDE, COLLEGE OF AGRICULTURE, University Park Collect data on field experiments in spring, summer and fall. Conduct laboratory analyses throughout the winter and in other periods as time permits. Measure soil pH and soil losses under field conditions. Measure soil texture, bulk density, infiltration rates, and soil structure by suitable means. Determine applications of irrigation water. Prepare and care for field experiments, sampling soil at appropriate times by specifically chosen procedures. Plant, care for and harvest crops on each experiment. Obtain field soil samples for laboratory measurements. Record and summarize data. Bachelor of science degree and up to

Marie E. Smith, a residence hall worker in Housing and Food Services, retired Sept. 1. She had been a member of the staff since July 29, 1969.

Obituaries

Dr. John R. Bracken, head of the landscape architecture program from 1926 to 1957, died Aug. 23. He was 87.

Dr. Bracken served for five years on the faculty of the University of Wisconsin following his 1957 retirement as professor emeritus of landscape architecture from Penn State.

He was among the first graduates in landscape architecture at Penn State, receiving a B.S. in 1914. He worked with landscape architectural firms in Pittsburgh and Philadelphia until 1924, when he was named to the agricultural extension staff at Penn State.

He later studied at Harvard University and the University of Michigan, and received his master of landscape design degree in 1934 and doctor of philosophy degree in 1945, both from the University of Michigan.

James W. Jacobs, assistant coordinator for contracts and business services in the College of Education, died Aug. 18. A 1954 graduate of the University, he was born April 15, 1931, in Altoona.

Allice R. Crilly, a stenographer in the College of Agriculture from 1931 to 1955, died Aug. 13 at the age of 89.

one year of directly related experience in soil research required.

ASSISTANT COORDINATOR — CONTINUING EDUCATION, University Park Responsible to the Coordinator of Contracts and Business Services for assisting in the administration of policies and procedures concerning the preparation and development of proposals for funding various types of continuing education programs and the completion of a variety of details involved in facilitating the development of and operation of programs. Bachelor's degree, plus two to three years of related experience.

ASSISTANT DIRECTOR FOR ADMINISTRATION — STUDENT AFFAIRS, University Park Responsible to the Director of University Health Services for planning, organizing, coordinating, directing and controlling non-medical functions and activities of the Health Center in accordance with established policies and procedures. Master's degree or equivalent in hospital administration or health services, with over two, up to and including four years of directly related experience is required. Special emphasis on business, finance and/or management is preferred.

ASSISTANT TO THE DEAN OF STUDENT AFFAIRS — STUDENT AFFAIRS, Altoona Campus Responsible to the Dean of Student Affairs for the supervision and program direction of the Altoona Campus student union facilities and student religious affairs. Specific duties and responsibilities include: advising of active recognized campus organizations; maintaining a schedule of activities for the student activities building and the campus chapel; develop a weekly calendar of activities for the campus community; plan and direct the use of cultural programming; management, scheduling and supervision of the All Faith Chapel; and direction of an on-going religious affairs program and other duties as assigned by the Dean of Student Affairs. Master's degree or equivalent in college student personnel or related field of study, plus up to one year directly related experience.

COUNSELOR — STUDENT AFFAIRS, University Park Responsible to the Director of Career Development and Placement Center for providing career development and placement services to the University Park Campus. Master's degree in clinical or counseling psychology, counselor education or related area, plus one to two years of directly related experience are required.

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Penn State Intercom

News in Brief



William Schaefer

UCLA Provost IAHS guest next week

Dr. William D. Schaefer, executive vice-chancellor and provost of UCLA and former executive director of the Modern Language Association, will visit the University on Monday, Sept. 10, and Tuesday, Sept. 11, as the guest of the institute for the Arts and Humanistic Studies.

In addition to meetings with students and faculty, Dr. Schaefer will talk to the Comparative Literature Luncheon on Sept. 11, his topic being "The Future of Foreign Languages."

He will address the English Colloquium at 8 p.m. Sept. 11 in Room 101 Kern on the topic, "The Future of the Profession; or, The Elephants Are Kindly but They're Dumb."

Dr. Schaefer, who received his B.A. from New York University and the M.A. and Ph.D. from the University of Wisconsin, joined the UCLA faculty in 1970. He was promoted to professor of English in 1970 and to his present administrative post in 1976.

From 1971-78, he served as executive director of the MLA, the largest organization of University-level scholars in the United States. He is the author of numerous articles and two books on 18th century English literature.

Dental plan deductible for families explained

Questions have arisen which suggest that some members of the University community do not understand fully the family deductible provision of the University's dental plan.

The dental plan requires an annual \$25 deductible of the first eligible charges incurred by an individual before the plan begins making payments for that individual. However, if there are more than two covered members in a family, once any two such members of the family each has satisfied a deductible for charges, the rest of the covered family members do not have to satisfy a deductible to have their charges covered for the balance of that calendar year.

This provision is similar to the \$100 major medical deductible in the UNICARE plan. When each of two eligible family members has satisfied a \$100 UNICARE deductible, future covered charges for the remainder of that calendar year for all of the covered eligible family members are reimbursable without further deductibles.

(Continued on page 7)

The Challenge of the '80s

Editors Note: These articles are the first in a series in which the academic deans reflect on what lies ahead for their colleges in the '80s.

Even with declining numbers of high school graduates in the eighties, a Penn State education will still be in demand, Earth and Mineral Sciences Dean Charles L. Hosler believes.

"The future strength of our College and of Penn State's other professional and science-oriented colleges is assured if for no other reason than the public's realization that it needs the things we do," Dean Hosler says.

"We already have the faculties, the scientific equipment and the physical facilities to adjust to a growing demand to train professional people able to produce the goods this country must have and to support an economy increasingly dependent upon exports. At the same time, we will be called on to train people from developing countries as their populations demand higher standards of living."

"So overall I'm not discouraged by the demographic data on high school graduates. I think the universities in the United States with strong science and technology programs will be able to sustain their size or perhaps even to grow."

Dean Hosler points out that 30 years

(Both articles continue on page 4)

The 1980s will make continuing demands on the College of Agriculture's research and extension expertise while bringing a somewhat reduced baccalaureate teaching load, according to Dean James M. Beattie.

"Looking ahead five to ten years, undergraduate enrollments in Agriculture may decline by as much as 10 percent from their 1978 high of 3,762," Dean Beattie notes, but he adds:

"From our point of view, this isn't all bad. Our baccalaureate degree enrollment grew by nearly 200 percent between 1970 and 1978, making us one of the largest agricultural colleges in the country. At the same time, constraints in State and federal funding prevented us from increasing the size of our teaching faculty. So from the standpoint of doing a good job of quality teaching, a modest decline in student numbers isn't all bad."

In the foreseeable future, Dean Beattie believes that student interest will remain high in horticulture, agronomy and dairy and animal science. He also predicts continuing interest in environmental resource management, a major which the College introduced in 1971.

"We began with about 49 majors," he

Continuing ed cable television network arrives

A cable television network that will provide continuing education services to the entire state of Pennsylvania came into existence Tuesday, Sept. 4, at the University.

The new network, the first statewide TV system of its type in the country, was formed with the signing of an agreement by President Oswald and George Barco, president of the Pennsylvania Educational Communications Systems (PECS).

"The establishment of this network reflects an excellent spirit of cooperation between a land-grant university and private industry," Dr. Oswald commented. "Because of the efforts of PECS in funding and administering the project and the University's work in mobilizing its learning resources, millions of Pennsylvanians will have access to higher education without ever leaving their homes."

Initially, the network, to be known as PENNARAMA, will make college courses available to 283,000 cable subscribers in Northeastern Pennsylvania. Will begin promptly to extend the service statewide through an extensive microwave relay system.

Eventually, college courses will be available to all cable-subscribing households in the State. Currently this represents 1.2 million households.

PENNARAMA will offer a full range of credit and non-credit courses for adults, from general liberal education programs to professional and occupational programs. Students will enroll through Penn State's

(Continued on page 7)



COUNTDOWN - 121 Sparks was ready for Fall Term to begin.

Pat Little photo

Senate to discuss degree requirements

A proposal to require students to earn at least a 2.00 cumulative average in their major courses in order to graduate is the sole legislative item facing the University Faculty Senate when it opens its new academic year Tuesday, Sept. 11, at 2:10 p.m. in Room 112 Kern Graduate Building.

The legislation appears on page 8. A number of informational reports are also on the agenda, including an oral report by Donald G. Dickason, recently appointed dean of admissions. Oral reports will also be made by Graduate School Dean James B. Bartoo, chairman of a joint faculty-administrative committee charged with making policy recommendations on promotion and tenure, and by Foreign Studies Director W. LaMar Kopp.

Other informational committee reports appearing on the docket include:

- Curricular Affairs: Curricular Procedures and Implementation of BDR III;
- Committees and Rules: Procedures Governing Attendance, Resignation and Exception Requests;
- Extended Degrees: Policies Governing Extended Degree Program Proposal and Review;
- Intra-University Relations: Initiation of 198 Courses; and
- Planning and Development: Year-End Report on University Physical Plant.

Penn Staters

Dr. John W. Burnside, associate professor of medicine and chief of internal medicine at Hershey has been named one of six Robert Wood Johnson Health Policy Fellows by the National Academy of Sciences Institute of Medicine. Dr. Burnside has been granted a sabbatical, effective Sept. 1, for a year's study and congressional work assignments in Washington, D.C. The Robert Wood Johnson Foundation has provided a grant to the University as a one-year stipend and fringe benefits support for Dr. Burnside.

The fellowship program was established by the Institute of Medicine with support from the Johnson Foundation in 1974 and is conducted in cooperation with the American Political Science Association (APSA). It is designed to provide outstanding mid-career health professionals working in academic settings with a better understanding of the major issues of health policy and a knowledge of how federal health programs are established.

Dr. Burnside received both his B.S. and M.D. degrees from the University of Illinois. He took his internship and residencies in medicine and pathology at the Massachusetts General Hospital. During this time, he held teaching, research and clinical fellowships at Harvard Medical School.

Dr. Rupert P. Amann, professor of dairy physiology, recently received The American Society of Animal Science Award in Animal Physiology and Endocrinology, awarded annually by the American Cyanamid Co., in recognition of his outstanding research in the area of male reproductive physiology.

Dr. Jerry C. Olson, associate professor of marketing, has been elected president of the Association for Consumer Research. ACR consists of 1,000 academic, business and government members who share research interests in consumer behavior. During 1979-80, Dr. Olson will serve as president-elect and as president in 1980-81. He is currently serving as program chairman of the ACR's 10th Annual Conference.

Dr. Napoleon Chagnon, professor of anthropology, has been invited to serve on the Honorary Committee of the third annual Margaret Mead Film Festival. Dr. Chagnon participated in the two earlier festivals, both as a member of the Honorary Committee and as filmmaker. Several of his award-winning films on the Yanomamo Indians were screened.

Bookshelf

Dr. Stanley Weintraub, research professor of English and director of the Institute for the Arts and Humanistic Studies, is the author of *The London Yankees: Portraits of American Writers and Artists in England, 1894-1914*, published recently by Harcourt Brace Jovanovich.

The 408-page work probes those prodigiously talented Americans who crossed the Atlantic to make, or restore, their reputations in the two decades preceding the first shots of World War I.

"For the American aspiring to a creative life," Dr. Weintraub writes, "London had a sentimental allure, a psychic value, a professional practicality. It meant the presence of the past as a working influence on one's daily life, and although there was a palpable past in Rome or Florence or Paris, it was not accessible in one's own language, and the intellectual ambience was somehow askew."

Dr. Weintraub has sketched portraits, sometimes from an unfamiliar perspective, of Mark Twain, Bret Harte, Stephen Crane, James McNeill Whistler, John Singer Sargent, Henry James, Ezra Pound, T.S. Eliot, Robert Frost and other Yankees who reached the pinnacle of fame and influence around the turn of the century. While some of them resisted

assimilation into British culture, others reveled in it, the author demonstrates. Stephen Crane, author of *The Red Badge of Courage*, played at being a country squire while churning out copy to stave off his new debts and exhorting the anglicization of Mark Twain, "the wild, free son of nature" who had become a stuffed shirt in "collars and a coat." Bret Harte, looking very much the respectable English clubman, continued to write nostalgically of the vanished American West he could no longer accurately recall.

So influential were some Yankees in London that the *Yellow Book* — the quintessential magazine of the 1890s — was founded and edited by one of them, Henry Harland. And the commission for the official coronation portrait of Edward VII was offered to Philadelphia's Edwin Abbey, who, like London's leading portraitist, John Singer Sargent, refused a knighthood rather than relinquish his citizenship.

The *London Yankees* has been reviewed by *The New York Times Book Review*, *The Washington Post Book World*, and *Newsweek*, among others.

Dr. Joseph W. Michels, professor of anthropology, has authored a book entitled *The Kaminaljuyu Chieftom*. The first comprehensive study of a Mesoamerican chieftom based on archaeological findings, this book presents a detailed reconstruction of its social, political and economic organization. The evolution of a Pre-Columbian chieftom throughout 2,000 years is synthesized from data gathered by the Penn State Kaminaljuyu Project. The 283 page book is published by The Pennsylvania State University Press.

Dr. Michels has been involved in the archaeology of Kaminaljuyu, Guatemala, for a decade, was co-director of field investigations there for four years, and is co-editor of the *Pennsylvania State University Press Monograph Series on Kaminaljuyu*.

Dr. Arthur Goldschmidt Jr., associate professor of history and chairman of the University's undergraduate program in Middle East studies, has written a new text, *A Concise History of the Middle East*, published in this country by Westview Press, Inc., and in Great Britain by Wm. Dawson and Sons, Ltd. The book traces events up to early in 1979, and includes a brief reference to the signing of the Camp David accord last March.

Dr. Goldschmidt focuses on the evolution of Islamic institutions and culture, the influence of the west, the rise of Arab nationalism and Zionism and the development of the Arab-Israeli conflict. An overriding theme is the great influence of religion upon almost all matters of personal status, social class and economic activity in the Middle East.

"I have tried to show how the various parties in political and economic disputes have seen the issues and why they reacted as they did in specific cases," he says. "It's very difficult to boil down to its essence the history of so many different peoples over so long a time in such a complicated region."

Written primarily as an introductory textbook for students, the volume is informal in tone and includes an extensive glossary for the beginner in Middle East studies. It may also interest other readers who want to know more about the background of the current Middle East conflict.

Educated at Colby College, the American University of Beirut and Harvard University, Dr. Goldschmidt has lectured and conducted research in several Middle Eastern countries. His book is available in both hard cover and paperback.

Obituaries

Grace Glossner, a counterwoman with Housing and Food Services from 1953 to 1966, died June 23. She was 77.

Robert R. Beatty, a group leader — maintenance at the Fayette Campus, died Aug. 24. He was 55. Mr. Beatty had been employed at Fayette since 1968.

Joseph T. Green, a maintenance worker and pipefitter with the Office of Physical Plant, died Aug. 24. Born in Milesburg, Pa., May 20, 1905, Mr. Green was employed at the University from 1942 until his retirement in 1970.

Mildred Kreck, a clerk in the Office of Gifts and Endowments, died Aug. 28. She was 48. She began working at the University in 1972 as a clerk in the Division of Instructional Services, moving to OGE last year.

From the Press

Hemingway's Hidden Craft: The Writing of 'A Farewell to Arms.' by Bernard Oldsey. 123 pages. \$8.95

An account of Hemingway's composition of his classic war novel, this book provides new evidence of Hemingway's exact and sensitive craftsmanship.

This evidence includes transcripts of two handwritten chapters constituting the earliest beginning of the novel known to exist, as well as 41 variant endings — material published here in full for the first time by permission of Mary Hemingway.

Following an introduction describing the novel's publishing history in the context of the novelist's career, Dr. Oldsey examines Hemingway's selection of a title; his development of settings, characters, and plot elements inspired by his own war experiences; his struggle to find an opening with the best possible "poetic method, dramatic structure, and narrative overview"; and his search for the right ending to complete the novel's circle "by a geometry of his own."

Dr. Oldsey, a former Penn State faculty member, is professor of English at West Chester State College.

In a Rebellious Spirit: The Argument of Facts, the Liberty Riot, and the Coming of the American Revolution. By John Phillip Reid. 168 pages. \$13.75.

Prof. Reid offers a fresh view of the legal arguments leading to the American Revolution. He presents a case for the argument that rebellious acts called "lawless" mob action by British authorities "were sanctioned by 'whig law' in the eyes of the colonists. The book also holds that leading historians have been misled by taking both sides' forensic statements at face value.

The focus is on three events: the Malcolm affair (1766), a parade in Boston to celebrate the second anniversary (1768) of the repeal of the Stamp Act, and the Liberty riot (1769). Legal inquiries into the three events were marked by hyperbole on the part of the whigs and the Tories. Both sides had extralegal motives, both succeeded in their polemic aims, and both have galled most historians.

A professor of law at New York University, Dr. Reid is the author of two earlier books published by Penn State's Press, *In a Defiant Stance* and *A Better Kind of Hatchet*. He has also written two books on early American judges.

INTERCOM is an internal communications medium published weekly during the four terms of the class schedule for the faculty and staff of The Pennsylvania State University.

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Promotions

Faculty

George M. Radakovic to assistant professor of economics at McKeesport.

Clerical

Cindy L. Breen to senior clerk — scholarships and grants in Student Affairs.

Doris L. Carter to secretary C in Continuing Education.

Constance A. Colyer to technical secretary B in Office of University Registrar.

Beverly Crabtree to secretary B at Altoona.

Mary P. Daily to secretary B in Continuing Education.

Bonnie B. Griffith to secretary B in Controller's Office.

Mardi D. Hockenberry to clerk, records A in Office of University Registrar.

Nancy D. Karschner to clerk typist A in Liberal Arts.

Claudia Keith to secretary C in Continuing Education at Altoona.

Debra Kennedy to clerk typist A in Earth & Mineral Sciences.

Cynthia A. Krusch to secretary C in Agriculture.

Diane M. Lasher to secretary B in Continuing Education.

Kathy L. Mulberger to clerk A in Continuing Education.

Patricia A. Pastorik to clerk, interlibrary loans A in Library.

Mary B. Ripley to clerk expeditor A in Business Services.

Marjorie P. Rosefsky to clerk, typist A in Physical Plant.

Suzanne M. Seamans to secretary B in Gifts and Endowments.

Rose Ann Wallace to secretary B in Personnel Administration.

Staff Exempt

Lydia P. Abdullah to audit manager in Controller's Office.

Stanley F. Crilly to scientific photographic instructor in Agriculture.

June Emanuelson to administrative assistant for academic services at New Kensington.

Edward E. Faust to supervisor, cinematography/videography in Continuing Education.

H. Roger Kohn to cinematographer/videographer in Continuing Education.

Elaine E. Martin to administrative aide in Engineering.

William A. McVicker to operations manager in Penn State Bookstore.

Mary Menair to assistant director for University Relations at New Kensington.

Robert K. Reese Jr. to assistant buyer in Housing & Food Services.

Michael P. Salmon to manager of pharmacy at Hershey.

Timothy E. Swartz to cinematographer/videographer in Continuing Education.

Staff Nonexempt

Anthony M. Cavaliere to senior research technician at Hershey.

Maria R. English to junior computer operator at Hershey.

Technical Service

Samuel C. Emigh to truck operator, waste sludge in Physical Plant.

Jay R. Kramer to stockroom clerk B in Physical Plant.

Barbara A. Sinclair to patient service aide at Hershey.

Edward A. Telesha to group leader, heating, ventilating and refrigeration at Hershey.

University Park Calendar

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Sept. 6-16 Special Events

Thursday, Sept. 6
Commonsplace Theatre, *The Maltese Falcon*, 7 p.m.; *Casablanca*, 9 p.m., Room 112 Kern.
HUB Craft Center Open House, 7:30-9:30 p.m., Room 312 HUB.
Religious Affairs Film, "How Should We Then Live?" 7:30 p.m., Memorial Lounge, Eisenhower Chapel.
Calligraphy demonstration, 8 p.m., Room 312 HUB.
Robeson Cultural Center, *Black on Broadway*, 8 p.m., Schwab. Free.

Friday, Sept. 7
Last date for registering with foreign language depts. (other than French and Spanish) for written language examinations.
Print exhibit and sale, 8:30 a.m.-5 p.m., Kern Lobby.
HUB Craft Center registration, through Sept. 8, noon-5 p.m., Room 312 HUB.
France-Cinema, Werner Herzog, *Aguirre, The Wrath of God*, 7 and 9 p.m., Room 112 Kern.
Interlandia Folk Dance Group, folk dance lessons, 7:30-9:30 p.m., requests, 9:30-11:30 p.m., HUB Ballroom. Everyone welcome, each Friday.
Artists Series Film, *Gone With the Wind*, 8 p.m., Eisenhower Auditorium.

Saturday, Sept. 8
Sports: field hockey, Lady Lion Invitational, through Sept. 9.
PSOC Hiking Division, ascent of Mount Nittany, via north face, 1:30 p.m., rear of HUB.
Commonsplace Theatre, *Tommy*, 7 and 9 p.m., Room 112 Kern.

Sunday, Sept. 9
University Chapel Service, The Reverend Robert Boyer, PSU United Ministry, 11 a.m., Eisenhower Chapel.
Free U registration, 11 a.m.-4 p.m., HUB Ballroom.
Commonsplace Theatre, *Tommy*, 7 and 9 p.m., Room 112 Kern.

Monday, Sept. 10
Shakespeare Film, Olivier, *Richard III*, 6:30 p.m., Room 112 Chambers. Free.
France-Cinema, *Aguirre, The Wrath of God*, 7 and 9 p.m., Room 112 Kern.

Tuesday, Sept. 11
Gallery Talk, 10:30 p.m., Museum of Art. Mary Lou Krumrine, doctoral candidate, art history, on "Pennsylvania German Illuminated Manuscripts." #
Comp. Lit. Luncheon, 12:15 p.m.; talk, 1 p.m., Hotel State College. William Schaefer, executive vice chancellor and provost, UCLA, on "The Future of Foreign Languages."
University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.
Shakespeare Film, Olivier, *Richard III*, 6:30 p.m., Room 112 Chambers. Free.
Penn State International Dancers auditions, 7 p.m., Room 133 White. 865-7591 for information.
Artists Series Film, *Tom Jones*, 8 p.m., Eisenhower Auditorium.
English Colloquium, 8 p.m., Room 101 Kern.



BECAUSE IT'S THERE — Mt. Nittany readies itself for the annual PSOC Hiking Club assault on Saturday.

William Schaefer, former executive director, MLA, on "The Future of the Profession; or, The Elephants Are Kindly But They're Dumb."

Wednesday, Sept. 12
Shakespeare Film, Hall/Rigg, *A Midsummer Night's Dream*, 6:30 p.m., Room 112 Chambers. Free.
Dept. of Architecture Films, *Mr. Freedom*, a social satire, 7 p.m.; *Fahrenheit 451*, 9 p.m., Room 112 Kern.
Black Studies Open House, 7:30 p.m., HUB Gallery Lounge.
Humanities Lecture, 8 p.m., Room 101 Kern. Stephen Toumin, National Humanities Institute, Univ. of Chicago, on "Vienna and the Spirit of Modernism."

Thursday, Sept. 13
Late registration deadline.
Add deadline.
Nelson W. Taylor Lecture in Materials Science, 4 p.m., Room 26 Mineral Sciences. Turner Alfrey, Jr., The Dow Chemical Company, on "Polymer Materials — A Historical Review."
Shakespeare Film, Hall/Rigg, *A Midsummer Night's Dream*, 6:30 p.m., Room 112 Chambers. Free.
Dept. of Architecture Films, *Mr. Freedom*, 7 p.m.; *Fahrenheit 451*, 9 p.m., Room 112 Kern.
Religious Affairs, ten-part film series, "How Should We Then Live?" 7:30 p.m., Memorial Lounge, Eisenhower Chapel.

Friday, Sept. 14
Sports: soccer, vs. Long Island.
France-Cinema, Claude Chabrol, *Violette*, 7 and 9 p.m., Room 112 Kern.
Nelson W. Taylor Lecture in Materials Science, 7:30 p.m., Room 26 Mineral Sciences.
Turner Alfrey, Jr., The Dow Chemical Company, on "The Effects of Mechanical Processing on the Structure and Performance of Thermoplastic Polymers."
Artists Series, Anthony and Joseph Paratore, duo piano, 8:30 p.m., Schwab.

Saturday, Sept. 15
Sports: football, vs. Rutgers, Beaver Stadium.
Commonsplace Theatre, *If, If*, 7 p.m.; *Oh Lucky Man*, 9 p.m., Room 112 Kern.
Performing Arts Festival, John Sowers, magician, 7 p.m.; Penn State Singers, 8 p.m., Schwab.

Sunday, Sept. 16
University Chapel Service, 11 a.m., Eisenhower Chapel. The Reverend Carl Derk, PSU Coalition for Christian Outreach, speaker.
Commonsplace Theatre, *If, If*, 7 p.m.; *Oh Lucky Man*, 9 p.m., Room 112 Kern.

Thursday, Sept. 13
Physics, Harry Suhli, UC, San Diego, on "Oscillatory Generation of CO-Over Platinum and Some General Conditions for Oscillatory Langmuir-Hinshelwood Reactions," 3:50 p.m., Room 117 Osmond.
Meteorology, Van Bowersox, graduate student, on "Analysis of Precipitation Chemistry," 3:55 p.m., Room 112 Walker.

Exhibits

Ferguson Lobby: Jerry Reyburn, "Games Made of Wood."
HUB Galleries: "Roma Interrotta," original architectural drawings.
Kern Commons Galleries: Mahin Ghanbari, ceramics; Harley Strauss, photographs, and "Cities, U.S.A.," photographs, open Sept. 8.
Museum of Art: Works by Arthur B. Davies from the collection of Mr. and Mrs. Herbert Bull, through Sept. 9; "Heritage Sampler," works from the permanent collection; recent work by George Zoretich, opens Sept. 16.
Pattee Library: "Maps: Alternate Form of Communication," Main Lobby.
Robeson Cultural Center: "Black Women: Achievements Against the Odds," opens Sept. 8.
Zoller Gallery: Undergraduate students' exhibit, through Sept. 9; faculty exhibit, opens Sept. 16.

Seminars

Thursday, Sept. 6
Fuel Science, James D. Frethaut, fuel science, on "Effects of Coupled Thermal Transport and Chemicals Kinetics upon Coal Devolatilization," 4 p.m., Room 301 Steidle.

Some Artist Series season tickets still available; sale closes Sept. 10



Forrest Tucker

A limited number of season tickets remain for each of the Artists Series 1979-80 series.
A concert by duo pianists Anthony and Joseph Paratore will open the year's events at 8 p.m. Friday, Sept. 14, in Eisenhower Auditorium. This program is part of the Fine Arts Series, which also includes The Aeolian Chamber Players, Music from Marlboro, harpsichordist Fernando Valenti, the New York Chamber Soloists and the Beaux Arts Trio.
Jerome Kern's classic, *Showboat*, with Forrest Tucker and Butterfly McQueen, will start off the Music Series on Sept. 21, replacing the New York City Opera Theatre, which has cancelled its tour.
Other highlights of the Music Series are violinist Pinchas Zukerman, the Dresden State Orchestra, the Glinka Chorus of Leningrad, the Pittsburgh Symphony

Orchestra and pianist Garrick Ohlsson.
Still another September event is Estelle Parsons' appearance on Sept. 23 in *Miss Margarida's Way*, part of the Drama Series, along with William Windom in "Thurber II" and Fionnuala Flanagan as "James Joyce's Women."
Featured on the program for the Theatre/Dance Series will be Neil Simon's *Chapter Two*, the Murray Louis Dance Company, the Krasnaya Dance Company, the Claude Kipnis Mime Theatre, the Royal Winnipeg Ballet and Ira Levin's *Deathtrap*.
Series tickets for these events may be purchased at Pine Cottage from 9:30 a.m. to 12:30 p.m. and from 1:30 to 3:30 p.m. weekdays. The season ticket sales end Monday, Sept. 10, and the Artists Series notes that patrons should act promptly since sales of remaining tickets are moving briskly.

Pennsylvania German "Fraktur" to be discussed

Mary Lou Krumrine, a doctoral candidate in art history at the University, will present a gallery talk at the Museum of Art on "Pennsylvania German Illuminated Manuscripts" at 10:30 a.m. on Tuesday, Sept. 11. The talk, open to the public, in conjunction with the Heritage Sampler Exhibit currently at the Museum. It is sponsored by the Friends of the Museum.
Ms. Krumrine will examine several examples of "Fraktur," the illustrated documents that served the Pennsylvania Dutch as birth, baptismal and marriage records. They were usually done by itinerant ministers or schoolteachers who were self-taught and used paints they mixed themselves from natural materials.
Beginning in the 1850s, many Fraktur were printed. The forms would then be filled in with the appropriate names and dates, and hand-colored.

The College of Earth and Mineral Sciences

(Continued from page 1)

ago, leaders in the then College of Mineral Industries anticipated and wrote extensively about today's environmental, energy and resource problems. Programs were set up and maintained in the earth and mineral sciences and mineral engineering which today are unique in Pennsylvania and, indeed, in the eastern United States.

Its long-standing expertise has given the College an international reputation. "When a developing country wants to utilize its resources to gain a better standard of living," Dean Hosler says, "it looks to a College like ours to learn how to explore and mine and process materials."

The entire University gains when the uniqueness of a professional college such as E&MS is exploited, Dean Hosler points out.

"Obviously we don't educate people solely in the professions or technology. Our students need a solid base in the physical sciences and communications skills and an appreciation of the arts and humanities. The growth in the number of students in the professional schools will, of course, increase enrollment in the service courses of the more traditional colleges, including Liberal Arts and Arts and Architecture."

While the character of universities could be altered if there were fewer majors in the humanities or the arts, the need to enrich and provide service to the programs of the professional schools should help sustain families in other areas, Dean Hosler believes.

"We must broaden our educational planning as a nation to put it in the context of world as well as national needs."

"It seems to me," he says, "that universities have an obligation to respond to needs as society perceives them. One could debate the merits of this pragmatic trend in society, but I don't think one can debate the existence of the market for people in certain fields, nor can one question the need for public universities to respond to this need."

"We must broaden our educational planning as a nation in order to put it in the context of world as well as national needs. Billions of people in the world are hungry. We cannot let them starve, be ravaged by disease, and exposed to the elements if we have the knowledge they can use to improve their condition. As educators or as citizens we ignore these needs at our own peril. We have to assess our immediate predicament, and I see our situation as being much more precarious than many people do. I think we could face a worldwide disaster if we don't satisfy people's material needs to a greater degree than we are today."

Oil reserves are on everyone's mind right now, but relatively minor disruptions in either our oil or water resources could tumble our own economic structure, Dean Hosler points out. "If we've been able to maintain any semblance of value for the dollar in international markets, it's because of our agricultural exports," he continues. "And they hang on a thin thread of precipitation in a band between Chicago and the Rocky Mountains. We have stretched all of our resources by increasing the numbers of people without regard for the variability of the sources of sustenance."

The many sensitive pressure points in our society make E&MS and a number of other colleges and departments in the University extremely important at this time, in Dean Hosler's opinion. "We have the ability to make people aware of our



Dean Hosler



Dean Beattie

precarious situation and at the same time teach them how to build a society and technology that will enable them to absorb some of the geopolitical and natural storms."

Dean Hosler visited The People's Republic of China in July as part of a delegation from the American Meteorological Society. The trip strengthened his view that there is an urgent necessity to improve the standard of living in the underdeveloped countries. Educational planning in the United States must take into account the needs of the rest of the world, he says.

"The educational vacuum that exists for two-thirds of the world's population will influence the perceived mission of American colleges and universities in the decades to come," he points out. "The opportunity exists both to train graduate students and to supply education on a contract basis. Raising the technological level of underdeveloped countries will reduce material disparities and bring about greater understanding between diverse cultures, thereby helping to reduce international tensions."

Looking to the future of the College of Earth and Mineral Sciences, Dean Hosler does not foresee any great growth. During the past 15 years, undergraduate enrollment in E&MS increased by 275 percent to some 1,600 students, while graduate enrollment went up by 52 percent to 500 students. The faculty increased by 52 percent to 135 persons. Research is up 500 percent for the same period.

"I think our existing points in terms of students and research," Dean Hosler says.

"This is probably good, since a number of institutions which dropped mining and mineral programs in the fifties are resuming them and competing with us for faculty and students. Most of our faculty would like to continue at the present level of operation. We have shared with Science and Engineering the top position with regard to academic quality of entering freshmen, and we want to continue to be able to select the best students."

He foresees a need for the College's expertise for many years to come as the discovery and exploitation of mineral resources become increasingly complex.

"In past years," he notes, "if a man wanted to open a strip mine, he didn't need any education. He'd just go out and buy a shovel and start tearing things up."

"Today you need engineers, managers, lawyers, biologists, agronomists, and health physicists to plan and operate a mine. What used to be done by brute force, by guess and by gosh, is now a highly technical engineering enterprise. One has to be aware of the chemistry of acid mine drainage, of the hydrology of the region, of the environmental and societal impact of the mine."

"So we in Earth and Mineral Sciences feel pretty secure in the knowledge that society needs us. We have a long history in this business of mineral science education and an excellent reputation. We feel we can help the rest of the University in many ways, not the least of which is as a drawing card for many highly qualified students."

"We also appreciate being a part of a large, diverse and outstanding university, for this gives us great strengths and many unique advantages."

The College of Agriculture

(Continued from page 1)

recalls, "and today we have nearly 500. At first it took a bit of doing to find jobs for everyone; but once a few students had been placed, our reputation began to grow, and now most of our ERM graduates are employed."

Since America's environmental problems are not likely to fade away suddenly in the eighties, Dean Beattie sees no slackening of demand for trained ERM graduates in such places as state and federal regulatory agencies, highway departments, public utility companies and private industry.

Young people see a "future in farming."

"There may be some tapering off of student interest in forest resources," Dean Beattie continues. "We feel an obligation to caution students that the employment history in this area is not as good as we would like. But if students are determined to major in forestry, it's our inclination to let them."

Dean Beattie is convinced that young people "see a future in farming." As evidence, he cites the fact that today twice as many students go into production agriculture (about 17 percent of the College's graduates) as did ten years ago. He also believes the interest of women in agriculture will hold up. Currently women comprise about 36 percent of the College's student body — many of them in horticulture and pre-veterinary medicine curricula.

While each of Penn State's colleges has resident instruction and research functions, the College of Agriculture has a unique role within the University because of its commission to maintain the Agricultural Experiment Station.

Under the terms of the Morrill Act of 1862, Penn State was designated as Pennsylvania's land-grant university, with

the responsibility of carrying out agricultural research. In a partnership arrangement with federal, state and local governments, the nation's land-grant institutions are also responsible for disseminating the results of their research through the Cooperative Extension Service.

"Our research and Cooperative Extension activities are funded in substantial part through monies appropriated by the United States Congress under the provisions of the 1887 Hatch Act and the Smith-Lever Act of 1914," Dean Beattie reports. "The Commonwealth also recognizes the College's special role in its annual appropriation to the University."

For a number of years, however, both State and federal funding have failed to keep pace with inflation, Dean Beattie points out, forcing Penn State to collapse 47 Extension positions. This year the Legislature passed and the Governor signed a \$1 million supplemental appropriation for Extension.

"It has enabled us to restore 33 badly needed people to our Extension staff," Dean Beattie says. "Requests for Extension services have been increasing, and I think they will continue to grow during the next decade because our programs touch the lives of so many people so broadly."

Extension has four major program thrusts:

- (1) Agriculture and natural resources, whose specialists help Pennsylvania producers of food and disseminate information on the protection and use of forest resources, soils and waters;
- (2) Community resource development, through which Extension personnel offer leadership training and planning help in areas ranging from health care to land use;
- (3) Family living, in which home economists deal with such matters as financial planning, clothing, child care and nutrition; and
- (4) 4-H and youth programs affecting some 93,000 young Pennsylvanians. "We have had so many demands for additional specialists and area agents that we can't keep up with them," Dean Beattie comments.

He attributes this, in part, to the special funds which the federal government has made available to bring Extension services to urban areas — the Expanded Food and Nutrition Program and the urban gardening program are examples. City children now have their own 4-H clubs, and Dean Beattie sees great potential for growth in urban youth programs.

Looking ahead to the research areas which are likely to engage the attention of agricultural scientists in the eighties, Dean Beattie thinks that problems dictated by

(Continued on next page)

Dow researcher to deliver Taylor lectures

Dr. Turner Alfrey Jr., research scientist with The Dow Chemical Company, who is internationally known for his work in polymer science, will serve as the 1979 Nelson W. Taylor Lecturer in Materials Science at the University.

He will speak on "Polymeric Materials — A Historical Review" at 4 p.m., Thursday, Sept. 13, and on "The Effects of Mechanical Processing on the Structure and Performance of Thermoplastic Polymers," at 7:30 p.m. Friday, Sept. 14. Both lectures will be in Room 26 Mineral Sciences Building.

A member of the National Academy of Engineering, Dr. Alfrey is the author of one book, *Mechanical Behavior of High Polymers*, and co-author of two, *Copolymerization and Organic Polymers*.

He received his B.S. in chemical engineering in 1938 and his M.S. in physical chemistry in 1940; both from Washington University in St. Louis, Mo. His Ph.D. in polymer science was granted by the Polytechnic Institute of Brooklyn in 1943.

Most recently, he has been involved in modeling the complex behavior present when a polymer undergoes simultaneous interacting processes such as cooling, crystallization, and biaxial orientation.

The Taylor Lectures honor the memory of Dr. Nelson W. Taylor who served as head of the then Department of Ceramics at the University from 1933 to 1943.

College of Agriculture

(Continued from preceding page)

energy shortages and inflation are likely to be paramount.

Research will continue on minimum tillage methods for field crops, he says, to refine methods which allow farmers to "prepare the soil," plant seed, and apply fertilizer and herbicides all at the same time. Since heating is the biggest single cost in greenhouse crop production, researchers will try to perfect the use of solar energy, which holds out the promise of halving fuel costs.

Efforts will also go forward to improve varieties of cultivars and to reduce dependence on chemical pesticides through programs of integrated pest management.

But no one discipline can provide all the answers to the problems which food producers face, so Dean Beattie predicts the development of a systems approach to agriculture. To confront such problems as developing better methods of growing crops, research teams will be formed which bring together the skills of agronomists, entomologists, plant pathologists, agricultural engineers and agricultural economists.

"I see agriculture continuing to be a strong element of the University in the foreseeable future," Dean Beattie concludes. "Penn State came into being as The Farmers High School in 1855, and agriculture has had an important position all through the institution's growing years. I think we will maintain this in the future, both because we are the land-grant institution in Pennsylvania and because agriculture is the second largest business in the Commonwealth — second only to the steel industry. Each year the farm gate rates for agricultural products run about \$2 billion.

"We're all used to sitting down to three good meals a day, and I don't think we'd like it very well if we couldn't. The only way to maintain the ability to feed ourselves is to teach young people about agriculture as a profession, to continue to do research to provide the answers to questions that producers of food and fiber must have, and then to disseminate the information to the people who need it through the Cooperative Extension Service.

"So I think the College of Agriculture has a viable, strong, positive future.

Study examines characteristics of PSU dropouts and persisters

A new study has found significant differences between dropouts and persisters in the Penn State system in such areas as academic performance, housing, extracurricular activities and educational financing.

The report, "An Analysis of Student Attrition at Penn State," is based on telephone interviews with some 500 dropouts (students who left voluntarily or involuntarily) and 250 persisters drawn from a larger, random, University-wide sampling. The study was conducted by Carol L. Everett of the Planning and Research Group in the Office of Budget and Planning.

Ms. Everett notes that of the approximately 8,700 full-time undergraduate students who enrolled as baccalaureate freshmen in Fall Term 1977, 18 percent dropped out during the first year, and an additional 10 percent had left by the end of their second year.

On the basis of past trends, an additional 13 percent will leave at some point during their third, fourth or fifth years. "An average dropout rate over five years of 41 percent," the report states, "implies an annual loss in tuition of approximately \$10 million — holding other factors such as new admissions constant."

Among the report's general findings were:

- Persisters were more satisfied with their majors, but they were also more likely to have changed majors (37 percent) than dropouts (24 percent).

- Persisters made significantly higher grades; only 35 percent had cumulative grade point averages under 2.5. Sixty percent of the dropouts fell below that figure.

- Baccalaureate persisters were three times as likely as dropouts to have lived in a residence hall and twice as likely to have lived in an apartment. Sixty two percent of the dropout population lived at home, as compared to 45 percent of the persister population.

- Extracurricular activities were another significant variable. Seventy nine percent of the persister sample, but only 42 percent of the attrition sample, participated in at least one extracurricular activity.

- While half of both groups received financial aid and half were getting some aid from their families, persisters were significantly more likely to have financed their educational costs through student savings, a loan, scholarships or campus jobs. Dropouts were more likely to have worked odd jobs or had a grant, and to have worked more than 20 hours per week.

- Obtaining career counseling, financial aid counseling and/or academic counseling (other than from a faculty advisor) was a strong indicator that a student was likely to drop out. More than half of those who left the University had seen a professional counselor.

The study found that the graduation rate of Commonwealth Campus students (42 percent) was below the University-wide average (59 percent) and significantly below that of students who begin their studies at University Park (70 percent). But it points out that "the academic dismissal rate... is not higher at the Commonwealth Campuses, indicating that large numbers of those who leave are voluntary withdrawals. Furthermore, results of the attrition survey indicate 25 percent of CWC dropouts transferred to another institution. The vast majority of those (80 percent) voiced a preference for attending a school close to home and expressed little interest in attending University Park. Perhaps Penn State's 'feeder' system should be redefined as a 'scatter' system."

In an exploration of the policy implications of the research findings, the following suggestions are offered in the report:

- Efforts should be directed toward providing the most effective faculty advising. Seventy three percent of all dropouts cited academic problems, suggesting the importance of faculty advising and faculty/student relationships in general upon retention.

- Since students with on-campus jobs of any nature were three times more likely to stay in school, efforts to increase on-campus job opportunities might help prevent withdrawals. (The new federal funding for work-study projects which was recently authorized may provide significant help in implementing this recommendation.)

- Institutions should try to simulate the good features of campus housing for non-resident students in light of the significance of residence hall living on persistence.

- Because retention is a multidimensional problem, the resources of Financial Aid, Student Affairs, Admissions and Recruitment, Undergraduate Studies, Public Information and the Faculty Senate should be brought to bear on the problem.

Among other suggestions offered was the restructuring of the exit interview to offer in-depth counseling and the positioning of it earlier in the withdrawal process. Special guidance programs were proposed for "high risk" dropouts, those who live at home and work more than 15 or 20 hours per week.

The University might also try to encourage educational financial planning at an earlier stage in the student's academic career, the report advises, and should follow up on students who do withdraw to see if they are interested in readmission.

300 employees from 1966-67 cardiovascular screening to be reevaluated in new study

Approximately 300 present and former University employees between the ages of 50 and 70 will be invited to the Laboratory for Human Performance this coming academic year for a physical evaluation, according to Dr. Patricia C. MacKen, research associate in the Laboratory.

The evaluations are essential to a study, for which Dr. MacKen is principal investigator, being funded by a grant from the National Heart, Lung and Blood

Institute.

The participants will be selected from the group of 1,376 male Penn State employees who were screened during the winter of 1966-67 in the Cooperative Study on Physical Activity and Cardiovascular Disease. This earlier study, funded by the U.S. Public Health Service, involved the collaboration of researchers at Penn State and the Universities of Wisconsin and Minnesota.

Heating is due to be turned on about Sept. 24

Heating in University Park residence halls and the Ritenour Health Center is now available if needed, according to Ralph E. Zilly, chairman of the University's Executive Energy Conservation Committee.

Comfort air conditioning will be turned off in academic and administrative buildings approximately Sept. 10, and the heat in those buildings will be turned on Sept. 24.

Seasonal systems air conditioning in research areas will be turned off Sept. 24, unless there is a special need.

"In setting these transition dates, the committee is relying on a Meteorology Department study covering 30 years of hourly temperature history," Mr. Zilly said. "Minor adjustments may occur if short-range weather forecasts indicate the need."

He added that some minor problems can be expected with systems that have been off for the summer, and any problems should be reported to the Office of Physical Plant Service Desk by calling 865-4731.

The committee has also discussed plans for detailed procedures necessary to comply with President Carter's Emergency Energy Plan.

The various duties of the Office of Physical Plant, the Executive Energy Conservation Committee and individual building occupants were considered.

The implementation plan calls for the Maintenance and Operations Department to identify and correct existing heating, ventilating and air conditioning problems and to check all thermostats to see that they are properly calibrated.

"In most areas, of course, the responsibility for proper room thermostat setting rests with the individual working in that area," Mr. Zilly said.

Other discussions have centered on the role of the Executive Energy Conservation Committee in keeping the University community posted on what is being done and where the responsibilities rest for different energy matters.

The responsibilities of the Colleges, administrative units and Commonwealth Campuses in signing the federal compliance certificates were also considered, along with the policy for filing exemptions to the new regulations.

"Compliance with these regulations is not a simple matter," Mr. Zilly said.

National Energy Conservation Plan No. 2 mandates 78 degrees Fahrenheit as the minimum temperature for comfort air conditioning under most circumstances. In addition, 65 degrees is mandated as the upper limit for heating, and 105 degrees is the limit for domestic hot water use for personal hygiene.

Residence hall rooms are viewed as the equivalent of private residences under the new regulations, and the temperature regulations, therefore, do not apply. Lounges, activity areas and dining rooms, however, must comply.

Some other areas exempt from the room temperature restrictions are research labs containing temperature dependent equipment or processes, certain computer areas, animal quarters, and health care spaces — but not waiting rooms or ordinary offices.

The forthcoming follow-up evaluations will include blood analysis, medical examination, determination of body composition, and treadmill exercise and pulmonary function tests. They will assess the physical status of participants who are 12 years older, providing information as to how health attitudes and practices (particularly as they pertain to habitual physical activity) relate to the clinical and laboratory findings.

Penn State's "missionaries" — preaching the gospel of good nutrition

They knock on doors in crowded, inner-city tenements. They seek out cabins in isolated Appalachian hollows where strangers are seldom seen.

They are not unlike missionaries, but their gospel is good nutrition.

They are Penn State's 190 nutrition aides, apostles of one of the University's most successful — though little remarked — operations: the Expanded Food and Nutrition Education Program (EFNEP), conducted by the Penn State Cooperative Extension Service.

Their mandate from EFNEP is simple, yet eloquent: "To help families living in or near poverty — especially those with young children — to acquire knowledge, skills and changes in behavior to achieve adequate diets providing normal nutrition."

And their efforts are paying off. Since EFNEP's inception 10 years ago, nutrition aides have converted nearly 57,000 Pennsylvania families to better dietary habits. This year alone, aides are working with some 7,300 families, according to EFNEP Coordinator Tammy Kinneman.

A nationwide program sponsored by the U.S. Department of Agriculture, EFNEP was launched in response to mounting evidence in the mid-sixties that millions of Americans living below the poverty line were malnourished.

"Many public officials felt at the time that welfare and food assistance programs weren't doing enough," Ms. Kinneman explains. "Even with access to food, many poor people still suffered from malnutrition because of badly balanced diets."

So EFNEP was conceived as a means of showing families how to make the best nutritional use of the food that was being made available.

"The nutrition aides are the heart and soul of the program," Ms. Kinneman says. "They live in the areas they work in, so they know how to relate to their clients. We feel that 10 paraprofessionals will have more success working with people of similar backgrounds than 10 professionals would."

The aides are University employees who work a 40-hour week out of their own homes, Ms. Kinneman adds. To be hired, a process conducted by the local County Extension Office, a candidate must reside in the area in which she would work, and must show an interest in helping others.

As a result, for nutrition aide positions are found by placing classified ads in local newspapers and by alerting local employment agencies, which keep lists of job-seekers.

"The majority of their work is on a one-to-one basis with the homemaker — the person who's responsible for buying and preparing the food," Ms. Kinneman

continues.

"After a working relationship — and often a friendship — has been established, the aides encourage the homemaker to join group meetings, especially in urban areas. That makes better use of everyone's time, and the homemakers seem to come along faster when they see their friends and neighbors learning and doing the same things."

Either way, nutrition aides teach a variety of skills related to proper diet: budgeting; menu planning; food preparation, preservation, storage, sanitation and safety; gardening and whatever else the homemaker wants to learn. All of it, however, revolves around EFNEP's central theme: the importance of the four basic food groups to proper nutrition.

"We measure nutritional progress by the number of servings from each of the four basic food groups eaten during a 24-hour period," Ms. Kinneman notes. "Two or more servings each of milk and meat, and four or more servings each of vegetables/fruit and of bread/cereals are considered to be an adequate or 2-2-4-4 diet."

"The number of homemakers reporting a 2-2-4-4 diet more than doubles after they've participated in EFNEP for one year," she adds. "If the homemaker shows sufficient progress, she's 'graduated' from the program in about two years."

Agnes Mayewski, a nutrition aide supervisor in Greensburg, has helped hundreds of impoverished families since she started working for EFNEP 10 years ago.

"When we first began, we had no way to get the word out other than knocking on every door," she says. "In nine out of 10 homes, I would get in the first time and they were very happy to see me."

Eventually, I got into every home that might be categorized as low-income."

Now, in addition to the paperwork involved in supervising seven aides, Ms. Mayewski carries a caseload of 50 EFNEP families whom she sees at least once a month, usually in small groups. Her territory is a poverty pocket in eastern Westmoreland County.

"I did a canning demonstration there a couple of weeks ago, and I still can't believe the response," she exclaims. "Every woman in town must have been there. Every booklet I brought with me was gone after two hours. They want me to go back soon to do another one."

Aside from demonstrations and group meetings, Ms. Mayewski still teaches nutrition in one-to-one sessions, especially with new clients. No longer does she have to knock unannounced, however. Other social service agencies may refer a client to her, or the homemaker will "hear from a



Nutrition Aide Bernice Wright (left) and an EFNEP homemaker watch a nutrition slide show.

friend that I'm coming to the area and ask to see me, so we make an appointment."

She doesn't hesitate to take her homemakers grocery shopping. "I usually go at check time; otherwise, they'll buy a lot of pop and junk food if I'm not there to show them the four food groups."

Ms. Mayewski has steered some families away from their inclination to buy inexpensive, second-hand refrigerators or stoves, urging them to buy a new one that will last. In this way, some families have been able to establish credit. In one case, she helped a family obtain a government loan for a new home. "They've handled the payments well and have fixed it up, and what they originally paid \$8,000 for is now worth \$45,000."

Similar success stories are not uncommon to EFNEP.

Bernice Wright, a nutrition aide in Lancaster, recalls a mother and father who were threatened with the removal of their children.

"The children were underfed, and the home was a mess, but there was love in this family. In fact, I've never seen such closeness," Ms. Wright says.

"I could see that the family could relate to me, so I began working with them, along with people from two or three other agencies. We started from scratch, working on sanitation, nutrition, how to prepare food, and little by little began to make progress. Eventually, the family moved into a nice home, but they still call me if they've got a problem. All of this took place over eight years, but it makes me happy to see such a big improvement."

Ms. Wright also works closely with the Queen's Corner Food Buying Club, a cooperative through which she gets many referrals.

Overall, she's convinced EFNEP helps to change lives for the better. "It's a slow process sometimes, but I think most of the young mothers I work with are trying to do the best they can for their children," she observes.

An equally important component of

EFNEP is its youth program, organized into 4-H nutrition clubs and groups. Nutrition aides and community volunteers assist the youth program, but in a number of communities EFNEP's professional nutrition assistants have primary responsibilities for club organization.

Contradicting the notion that young people are interested in anything but nutrition, EFNEP has reached 145,000 low-income youths in Pennsylvania through its 4-H nutrition clubs.

Usually, the clubs are built around a core program of nutrition education projects, but each strives to meet the particular interests of the youth in its area.

Nutrition Assistant Frank Simmons coordinates two unique groups: the Altoona Trailblazer 4-H Club and the Blair County Physical Fitness 4-H Club.

"When low-income youngsters get involved with the 4-H program," he says, "we see great progress in their participation in other school activities and a growth in personal development."

For his initial recruiting six years ago, he used his contacts in the community to find low-income youngsters who might be interested. "Once we got a core group of kids, they began pulling in other kids; it works almost entirely by personal contact."

The Trailblazers now has 30 members; the physical fitness club, 50.

"When we first talk to prospective members, we do tell them that we're primarily a nutrition program but that it's based on a topic that we work nutrition into," Mr. Simmons explains.

"For instance, the Trailblazers emphasizes backpacking and camping, and teens have a natural interest in that. We work nutrition into it by learning how to buy food in supermarkets where we set out and how to prepare meals when we get there."

Ms. Mayewski sums up: "We go into homes that some agencies wouldn't even step into. There's no other work that's more important, and there's nothing else I'd rather be doing."

Roger Williams



Agnes Mayewski (back to camera) introduces herself to a new client.

Campus Update

The Advisory Search Committee appointed by President Oswald to assist him in identifying candidates for the position of Director at the Beaver Campus will accept nominations and applications until Sept. 30, 1979.

The Committee will identify those candidates who can provide the ablest possible academic leadership and competent administration of the Beaver Campus. Candidates should possess a doctoral degree or equivalent and several years' experience in teaching at the university level and/or administration of higher education.

Applications and letters of nomination should be directed by Sept. 30 to Dr. Robert Quinn, Room 111 Old Main, University Park, PA 16802.

The Department of Chemistry at University Park has received a highly valued electron microscope free of charge, courtesy of Western Electric and the Berks Campus.

Earlier this year, Dr. Wilmer Stowe, assistant professor of biology at Berks, was using the microscope and an atomic absorption unit at the Western Electric plant in Reading to conduct his research on algae. Western Electric officials offered to donate the equipment to Penn State.

After some investigating, Campus Director Harold W. Perkins learned from Dr. Joseph A. Dixon, head of the Department of Chemistry, that the microscope could be put to good use at University Park. The absorption unit would be used in Berks Campus labs.

The microscope has a current market value of approximately \$30,000.

Continuing ed network

(Continued from page 1)

program of Independent Study by Correspondence and will receive printed study materials, evaluation of written work by faculty and — in credit courses — examinations.

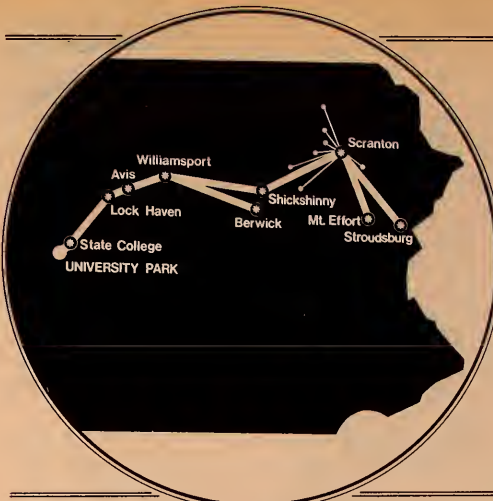
All programming will originate from Penn State's University Park Campus. The system, however, will be available for use by other colleges and universities.

PENNARAMA has been in the research stage since January 1976, when an experimental channel was established in the Scranton-Wilkes-Barre area. Robert W. Naismith, associate professor of biology at Penn State's Worthington Scranton Campus, initiated the project with partial funding from the U.S. Department of Health, Education, and Welfare.

Joseph S. Gans, owner of Northeast Cable TV, donated equipment and facilities.

Under today's agreement, a nonprofit corporation of cable operators will be responsible for building and maintaining a statewide network linking participating cable systems. The cable companies will provide channel space for the network.

PENNARAMA will be administered through Penn State's Division of Media and Learning Resources in Continuing Education. The resources of the University's Broadcasting Services (WPSX-TV), Independent Study by Correspondence, Audio-Visual Services and Student Services in Continuing Education all will play a part in the program. The services are being coordinated by Richard Wolfe of Broadcasting Services.



PENNARAMA, a cable television network that will provide continuing education services to all of Pennsylvania, initially will make college courses available to 283,000 cable subscribers in the northeastern sector, as shown above.

Marlowe Froke, director of media and learning resources in Continuing Education, and A. Arthur Hungerford, a retired faculty member, have led the University effort to develop the system.

Mr. Barco, of Meadville, Pa., and his daughter Yolanda, both attorneys, and Mr. Gans have worked since 1972 to establish the relationship between the State's cable firms and Penn State.

Seven undergraduate course improvement proposals totalling \$61,695 receive approval for funding

Seven course improvement proposals have been approved for funding by Dr. Robert E. Dunham, vice president for undergraduate studies. The proposals and the amounts are:

Community Development 7, \$12,000; Computer Science 203, \$10,229; Geological Sciences 20, \$9,461; Health Education 303, \$7,385; Individual and Family Studies 129 and 329, \$3,960; Mechanical Engineering 22, \$11,700; and Nursing 320, \$6,960.

Dr. Donald W. Johnson, director of the Division of Instructional Services, explains that the grants are made to academic departments to support the improvement of basic courses or groups of courses which serve significant numbers of students at several campus locations or meet some other critical need.

Community Development 7 enrolls about 1,500-1,900 students yearly. Currently, different instructors offer modules in the areas of criminal justice, juvenile justice, human services and land use. As some Campus, instructors are present in the classroom; at others, telephone hook-ups are used.

COM D 7 is taught by a number of different instructors. Consequently, in order to insure commonality of content presentation at all locations, the grant will be used to: (1) prepare lecture outlines with written scripts; (2) produce short videotape segments to illustrate specific content areas; (3) assemble a set of reading materials for each module; and (4) prepare a student study guide.

These revisions will allow students to learn basic concepts with a minimum dependence on specialized faculty.

Computer Science will use its grant to update and standardize CMPSC 203, an introductory three-credit course for majors in the College of Business.

The previous format was a two-lecture, double-period recitation course enrolling 200 students. This fall 400 students will hear two lectures weekly, and, in groups of

33, attend two single period recitations.

In cooperation with the College of Business, the Computer Science Department will develop a standard course approach and syllabus for use with CMPSC 203. A comprehensive course guide and visual aids will be prepared for the instructors and teaching assistants responsible for the course. Testing and evaluation of students will be standardized through the use of machine graded exams, zero-credit quizzes and outside programming assignments.

Course improvement goals for GSCI 20 involve making the laboratory work more immediately useful to the some 2,000 non-geology students who take the course each year. New lecture-demonstration devices and a new lab manual are being developed. Demonstrations will be made more exciting and dramatic, "hands-on" student participation increased, and the overall emphasis of the course directed to topics of immediate interest and relevance to the general student rather than to the pre-professional major. As a side benefit, costs to the students will be reduced, since an "in-house" produced laboratory manual will sell for less than the current one.

Instructional improvement efforts in HL ED 303, Emergency Care, will also focus on the essential laboratory portion of the course. At present six to ten new lab instructors must be trained each fall, and uniform instructional materials are lacking. This will be corrected when a training manual for lab instructors has been developed and audio-visual materials prepared for the some 900 students who take the course annually.

By systematically developing the instructional content of specific skill-oriented techniques for each of the ten modules offered in the self-paced laboratory, the ability of students to move at their own pace will be enhanced — and as learning is individualized, more students can be accommodated.

The Division of Individual and Family

Studies proposes to establish a data bank, which will include a catalog of the videotaped materials developed for two IFS multi-media courses, IFS 129, Introduction to Individual and Family Development across the Life Span, and IFS 329, Infancy and Early Childhood. A session-by-session instruction manual, similar to one created this year for IFS 129, would be prepared for IFS 329 to aid new instructors at the Commonwealth Campuses in their course presentations.

With the exception of chemical engineering majors, all engineering students are required to take ME 22, Engineering Thermodynamics. Originally taught with sections of 40-50 students, the course now attracts as many as 120 undergraduates per section, making it difficult, with the current format, to maintain acceptable quality.

The Department of Mechanical Engineering plans to experiment with a new format involving a 50-minute lecture meeting three times a week for which slides and other audio-visual aids will be prepared. There will also be a 75-minute weekly tutorial session.

Solutions to the homework problems, which are an essential part of the course, will be made available to students through the Listening and Learning Centers. Slide-audio tapes with solutions to each assigned problem will be produced and made available. Quizzes and the final exam will be machine graded for the first time in the course's history.

The course materials developed for NURS 230, Nursing Process and Associated Skills, will be used by students during their clinical nursing courses. Videotape presentations will deal with the development of communication skills of aid nurses in their interactions with clients. Actual nurse-client conversations will be presented, along with appropriate scenes illustrating the principle involved. The materials will benefit 250 resident instruction students and some 2,300 extended degree nursing students.

News in Brief

(Continued from page 1)

Chicago scholar to give first lecture on Vienna

Stephen Toulmin, director of the National Humanities Institute at the University of Chicago, will be the first speaker in a series of lectures this year on the art, science, literature and philosophy of Vienna from 1890 through the 1930s. Professor Toulmin, co-author of the book, *Wittgenstein's Vienna*, will speak on the topic "Vienna and the Spirit of Modernism" at 8 p.m. Wednesday, Sept. 12, in Room 101 Kern Bldg.

The series is being organized by Penn State faculty members affiliated with the interdisciplinary graduate program in the humanities, with assistance from the Institute for the Arts and Humanistic Studies.

The emphasis will be on the interaction among various disciplines during a period of high achievement in the arts, humanities and sciences in Vienna. The lecture series will include talks by scientists, art and music historians, and philosophers, among others. Several Penn State faculty members will be among the speakers.

Art classes are offered

Eleven art classes will be offered this fall at the Saturday Morning Art School conducted by the School of Visual Arts.

Classes begin Sept. 15 and are held each Saturday through Nov. 3 from 9 a.m. to 11 a.m.

Course offerings include: Creative Arts for the Young, ages 5-6; Drawing and Painting, ages 6-7; Arts and Crafts, ages 8-12; Drawing and Painting, ages 8-12; Exploring Sculpture, ages 8-12; Photography, ages 8-12; Artist Studio for Teenagers and Adults; Ceramics for Teenagers and Adults; Jewelry for Teenagers and Adults; and Weaving for Teenagers and Adults.

Courses are taught by advanced art education majors and are supervised by Dr. Robert Ott, associate professor of art education, and Mrs. Pamela Sturgess, doctoral candidate in art education and assistant professor at the Nova Scotia College of Art and Design.

To register, contact Ruth Barner, secretary for the School of Visual Arts, at 865-6579. Registrants may also come to Room 207 Chambers Building. A small fee will be charged to cover costs of art materials.

Library orientation slated for new faculty

Special orientation tours of Patten Library will be given for all new faculty members. The tours will begin in General Reference, Room 105 East Patten, at 9:30 a.m. and 2-3 p.m. daily during the week of Sept. 10-14. If these times are not convenient or if there are any questions, please contact Bruce Bonta at 865-6366.

Craft classes to begin

Craft classes in Batik tie-dye, wheel and hand-built pottery, weaving and stained-glass will begin at the HUB Craft Center Sunday, Sept. 9.

Registration will continue through Sept. 8, from noon to 5 p.m. daily at the Center, Room 312 HUB.

Folk dancing starts Friday

The Interlaria Folk Dance Group will offer both instruction and general folk dancing each Friday night during Fall Term in the HUB Ballroom.

Lessons will be available from 7:30 to 9:30 p.m., with the following two hours devoted to requests. No experience is necessary, and non-students are welcome.

The Copyright Act of 1976 has created the need for actions by the University and its authors to clarify copyright ownership of scholarly works.

The Copyright Act of 1976 became effective on Jan. 1, 1978. Many of the provisions of this statute affect the University community. The interim procedures set forth below are to be effective until a revision of the University Copyright Policy has been completed and implemented by the University's Board of Trustees.

The University has an established University Copyright Policy which has provided that all works categorized as "scholarly" — including all works created by University authors either on their own initiative or as an assigned University duty, without the execution of a written Agreement prior to the creation of the work — shall belong to the authors. The Copyright Act of 1976 provides that the ownership of the copyright in a work prepared by an employee within the scope of his or her employment belongs to the employer unless a written instrument is signed by both the employee and the employer, setting forth that the parties have expressly agreed otherwise. To enable University authors to own any right in their works which are created within their "scope of employment," a written instrument must be signed by each faculty member.

Specific sections of the Copyright Act of 1976 and their relationship to University authors and their copyrightable works are set forth below:

IMMEDIATE STATUTORY FEDERAL COPYRIGHT —

The Copyright Act of 1976 preempts the state common law with respect to copyright and provides for immediate statutory federal copyright protection for the author of a work from the instant the work is fixed in any tangible medium of expression (before publication).

WORKS MADE FOR HIRE —

A significant limitation concerning copyright ownership is set forth with respect to works created by employees in 17 USC 201:

— (b) Works Made for Hire — In the case of a work made for hire, the employer — is considered the author for purposes of this title, and, unless the parties have expressly agreed otherwise in a written instrument signed by them, owns all of the rights comprised in the copyright. 2 . .

DEFINITION OF WORK MADE FOR HIRE

— The definition of the term "work made for hire" is set forth in 17 USC 101:

— A "work made for hire" is —
(1) a work prepared by an employee within the scope of his or her employment; or
(2) a work specially ordered or commissioned for use as a contribution to a collective work, as a part of a motion picture or other audiovisual work, as a translation, as a supplementary work, as a compilation, as an instructional text, as a test, as

Ownership of Journal Articles and Other Scholarly Works under The Copyright Act of 1976

answer material for a test, or as an atlas, if the parties expressly agree in a written instrument signed by them that the work shall be considered a work made for hire. For the purpose of the foregoing sentence, a "supplementary work" is a work prepared for publication as a secondary adjunct to a work by another author for the purpose of introducing, concluding, illustrating, explaining, revising, commenting upon, or assisting in the use of other work, such as forewords, afterwords, pictorial illustrations, maps, charts, tables, editorial notes, musical arrangements, answer material for tests, bibliographies, appendices, and indexes, and an "instructional text" is a literary, pictorial or graphic work prepared for publication and with the purpose of use in systematic instructional activities. —

CONTRIBUTIONS TO COLLECTIVE WORKS —

Further, the Copyright Act of 1976 has a separate provision for "Contributions to Collective Works," 17 USC 201(c):
— Copyright in each separate contribution to a collective work is distinct from copyright in the collective work as a whole, and vests initially in the author of the contribution. In the absence of an express transfer of the copyright or of any rights under it, the owner of copyright in the collective work, is presumed to have acquired only the privilege of reproducing and distributing the contribution as part of that particular collective work, any revision of that collective work, and any later collective work in the same series. —

TRANSFERS —

Further, the transfer of copyright ownership is formalized in 17 USC 204:
— (a) A transfer of copyright ownership — is not valid unless an instrument of conveyance, or a note or memorandum of the transfer is in writing and signed by the owner of the rights conveyed or such owner's duly authorized agent. —

Since the University desires to continue the present University Copyright Policy with respect to "Contributions to Collective Works" created by University authors, such as journal articles, and since many of these works are prepared within the scope of employment, clear title to the copyright will not rest with the author unless a written instrument is signed by the University and the author. The University will provide and execute the necessary written instrument covering

contributions to collective works for any University author. A copy of this Interim Written Instrument Covering Contributions to Collective Works was published last year in INTERCOM.

JOURNAL ARTICLE COPYRIGHT

TRANSFER FORMS — The most frequent contact with the Copyright Act of 1976 for most faculty authors is the execution of forms which are required by scholarly journals before publication of contributions. The forms submitted to faculty authors by the journals are to be executed by (a) faculty authors as individuals; or (b) an authorized University representative.

In order to comply with this Act, the following types of works require the execution of "copyright clearance and transfer forms" as follows:

- (1) The forms covering works classified as scholarly under the University Copyright Policy which have been (a) created outside the scope of employment or (b) created within the scope of employment after the signing of an Interim Written Instrument Covering Contributions to Collective Works should be signed by the authors.
- (2) The forms covering works classified as scholarly under the University Copyright Policy which have been created within the scope of employment before the signing of an Interim Written Instrument Covering Contributions to Collective Works should be signed by an authorized University representative.
- (3) The forms covering works covered by a standard or modified Contributed or Commissioned Copyright Agreement between the authors and the University should be signed by an authorized University representative.

The Dean or Administrative Officer is the authorized University representative for these forms.

Further, since the Copyright Act of 1976 has a separate provision for "Contributions to Collective Works," many journals provide two types of forms or "Releases" for the author to execute:

- (a) a first, and "most common" type, assigning all copyright in the contribution to the journal or its parent organization, but reserving the right for the authors and their employing organization to make reproductions "not-for-sale"; and
- (b) a second, and "special handling" type, requiring that the authors place "their own copyright notice" on the first page of their contribution, thereby preserving

their individual copyright for later disposition, and "permitting" the journal to "publish in all forms," but by their "prior consent," rather than as owner of the copyright.

University authors must determine whether their contributions require "special handling." The ownership of the copyright may subject the authors to repeated requests for copies and permissions.

OTHER SCHOLARLY WORKS — In addition to the Interim Written Instruments Covering Contributions to Collective Works which have been generally available as discussed above, (1) "Written Instruments Covering an Identified Literary Work" suitable for all literary works other than contributions to collective works, and (2) "Written Instruments Covering an Identified Literary Work (with License)" to cover those instances in which a license to the University for University purposes and/or to the Federal Government or other sponsor is necessary will also be available to all Deans and Administrative Officers for use on an interim basis.

WRITTEN INSTRUMENTS — Deans and Administrative Officers will provide the three types of Written Instruments described above to faculty and staff upon request. The Office of the University Provost will provide for execution of these Written Instruments on behalf of the University after execution by authors. University authors of scholarly works to be published commercially should request the appropriate "Written Instrument" and obtain its execution before the creation of the work in order to preserve the best copyright coverage obtainable. If the appropriate "Written Instrument" is not obtained prior to creation of the work in order to place copyright ownership in the author it may be necessary for the University to transfer the ownership to the author; such a transfer can result in a copyright of shorter duration than if the "Written Instrument" is obtained prior to the work's creation.

REVISION OF UNIVERSITY COPYRIGHT POLICY —

The University is carefully considering revisions to University Copyright Policy required by the Copyright Act of 1976. The objectives of these revisions are: (a) to preserve the authors' rights to their own scholarly works as has been the case in the past, (b) to accommodate the 1976 Law with as little change and form signing as practical, and (c) to protect the faculty and the University. These revisions will be reviewed by appropriate representatives of the faculty and University administrators and will become effective when approved by the University Board of Trustees.

Dr. Robert F. Custard, University patent counsel, (865-1765) will assist faculty and staff who have University-related copyright problems.

A Faculty Senate Legislative Report

Change in Policy 82-40 — Cumulative Grade-Point Average Requirement — in "Academic Policies and Procedures for Undergraduate Students"

Background and Rationale:

To graduate, a student must have a cumulative grade-point average of 2.00. Many faculty have expressed the desire for a grade-point average of at least 2.00 for course requirements in the candidate's major. The Committee feels that students should demonstrate passing grades in the area they have chosen to pursue as a career. Students who earn a degree with

less than C average grades in any area of their major field do not present an academic record that aids the academic quality of a Penn State degree. If approved, the responsibility for implementation rests with the program faculty and College Dean.

The Committee recommends the following change, by addition, to Policy 82-40.

82-40 — Cumulative Grade Point Average Requirement

(Current)

To graduate, a candidate must complete the course requirements for the candidate's major and earn at least a C (2.00) average for all courses taken at the University subject to the

conditions of Section 51-50. The cumulative average is based solely on the courses taken at the University and is computed according to Section 51-50.

(Add)
IN ADDITION, BACCALAUREATE DEGREE CANDIDATES WILL BE REQUIRED TO EARN AT LEAST A C (2.00) CUMULATIVE AVERAGE IN COURSES DESIGNATED IN THE BACCALAUREATE DEGREE PROGRAMS CATALOG AS "PRESCRIBED COURSES" AND "ADDITIONAL COURSES" IN THE CATEGORY DESIGNATED "REQUIREMENTS FOR THE MAJOR." A CHECK OF PROGRESS

IN FULFILLING THIS REQUIREMENT WILL BE MADE TOGETHER WITH THE AUDIT OF UNFULFILLED REQUIREMENTS (POLICY 32-80).

UNDERGRADUATE INSTRUCTION COMMITTEE

Paul Axt	Joseph R. Reed
Gregory J. Connors	Russell A. Reed
Frank Dachille	Gladys Ritchie
Robert E. Dunham	Robert J. Scannell
James D. Gallagher	James F. Smith
Karen E. Hand	Cecil R. Trueblood
Richard L. McCall, Ch.	Harvey W. Wall
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Penn State Intercom

News in Brief

One-way traffic pattern to be used for home games

The Sept. 15 Rutgers opener will bring some 76,000 fans to Beaver Stadium, necessitating special traffic plans for that Saturday — and each of the six other home games.

Based on last year's successful traffic plan, the following schedule will be followed:

- From 10 a.m. until the 1:30 p.m. game time, four streets will become one-way in the direction of the stadium. They are:
 - Porter Road from Benner Pike to Curtin Road.

- University Drive from South Atherton Street to Curtin Road.
- Park Avenue from North Atherton to University Drive.

- Park Road from Bigler Road to the University maintenance building.

Immediately after the game, the one-way flow on the four streets will be reversed until traffic returns to normal.

In addition, Curtin Road from Shortridge Drive to Porter Road will become a pedestrian corridor from 10 a.m. until game time and again immediately after the game.

While the game is in progress, the walkway will be maintained only from University Drive to Porter Road. Vehicle traffic on the pedestrian corridor will be limited to emergency vehicles and certain buses.

University Safety Director David E. Storner counsels fans approaching from the west on Rt. 322 to use the State College By-Pass to reach the stadium. Signs marked "Stadium Traffic" will lead to a parking lot east of the stadium.

Motorists headed west on Benner Pike who have to reach the Mountainview Unit of Centre Community Hospital are urged to use the Puddintown Road. Those

approaching the hospital from the north or west should travel south on Atherton Street to Beaver Avenue and east on Beaver to Benner Pike and onto Puddintown Road.

Mr. Storner noted that police will monitor and broadcast emergency traffic information on CB radio Channel 15.

Coffee hours sponsored by Faculty Women's Club

New faculty women and wives of new faculty and staff are invited to attend any of three remaining hospitality coffees sponsored by the Faculty Women's Club. The object of the coffees is to acquaint newcomers with the club, the community and the facilities of the University.

The coffees will be held tonight (Thursday) at 7:30 p.m. at the home of Mary Egleton, 445 Cricklewood Drive; Sunday, Sept. 16, at 2 p.m. at the home of Diane McKinnon, 416 Shadow Lane; and Wednesday, Sept. 19, at 7:30 p.m. at the home of Rita Foderaro, 301 S. Gill.

Persons wishing further information may call Ms. McKinnon at 237-8854.

Meat Lab sales begin Sept. 14

Retail sales of meat will be offered each Friday during the term from 1:30 to 4 p.m. at the University's Meat Lab, beginning Sept. 14. The Meat Lab is located on the east side of Beaver Stadium.

The meat is from the University's herds and is butchered by students in animal industry classes.

The store carries all the retail cuts of beef, pork and lamb, including steaks, chops, hamburger and sausages, at prices competitive with those in the area.

Customers are advised to appear at the lab by 1:30 p.m., since everyone must draw a number. Those with the lowest numbers are waited on first, and there is a limit of about \$75 on sales.

Assistant Provost named



Richard Chait

Dr. Richard P. Chait, educational chairman of Harvard University's Institute for Educational Management, has been named assistant provost at the University, effective Jan. 15, 1980.

Dr. Chait is a nationally recognized authority on academic tenure and related personnel policies.

His responsibilities will include interpretation and coordination of faculty personnel matters, special projects in the Provost's Office and representing the Provost on some University committees. He will serve as liaison between the Provost and certain academic areas and administrative offices.

Dr. Chait will replace Dr. Richard L. Morrill, who resigned to accept the presidency of Salem College.

"Penn State is fortunate to have joining us an educator with Dr. Chait's high academic and administrative credentials," Provost Edward D. Eddy said in announcing the appointment.

Born in New Jersey in 1944, Dr. Chait graduated Phi Beta Kappa from Rutgers University in 1966, with a major in history. Subsequently, he earned an M.A. in American history and a Ph.D. in higher education administration at the University of Wisconsin.

His professional career also began at Wisconsin, where he was assistant to the director of the Integrated History Unit, a federally funded program to develop a black history curriculum for public schools.

In 1970, Dr. Chait became assistant for academic planning at Stockton State College during the period when the New Jersey college was preparing to open. Following the opening in 1971, he became assistant to the president.

In 1974, he was appointed director of the Institute for Educational Management under the joint sponsorship of the Harvard Graduate Schools of Business Administration and of Education. He held the directorship until 1977 when he decided to relinquish it to become educational chairman of the Institute and assistant professor in the Graduate School of Education, the dual position enabling him to play both an academic and an administrative role.

Dr. Chait has written extensively on tenure policies and affirmative action. His co-written book, *Alternatives to Traditional Tenure Practices*, will be published this winter by Jossey-Bass Publishers.

His articles have been published in such journals as *Change Magazine*, *Press*, the *New York Times*, the *Chronicle of Higher Education*, and *ACB Reports*.

In addition, he has done extensive case studies and consulting work for a number of universities, foundations, and other institutions.

Chemistry Ph.D. winner of top ACS award

Dr. Wayne L. Gladfelter, who earned his doctorate in chemistry at Penn State in 1978, is the first (1980) winner of the American Chemical Society's new Nobel Laureate Signature Award for a Graduate Student in Chemistry.

An announcement of the \$2,000 award, sponsored by the J. T. Baker Chemical Co., was made Sept. 10 at the Society's week-long meeting in Washington, D.C.

Dr. Gladfelter, who is now an assistant professor of chemistry at the University of Minnesota, was cited for pioneering predoctoral research conducted with his preceptor, Dr. Gregory L. Geoffroy, associate professor of chemistry. The research focused on organometallic cluster compounds that serve as new types of "homogeneous" catalysts. (Catalysts speed chemical reactions and have a wide range of uses.)

One potential application of catalysts from organometallic cluster compounds is the conversion of synthesis gas, a mixture of carbon monoxide and hydrogen made from coal, into ethylene glycol. These catalysts also may have application in nitrogen fixation and hydrogen conversion processes.

At Penn State, Dr. Gladfelter developed a synthetic method for the rational synthesis of mixed-metal clusters; synthesized six new clusters using this method, including the first two examples of clusters comprised of three different transition metals; modeled many of the spectral changes using computer assigned line-shape analysis; and provided the first definitive evidence of intermetallic rearrangement in clusters.

Campus Update

With a \$256,000 grant from the U.S. Environmental Protection Agency (EPA), the Capitol Campus will develop a course to provide technical knowledge to citizens and state and local officials who serve in an advisory capacity to EPA wastewater treatment and water quality management programs.

According to Dr. Theodore L. Gross, provost/dean of Capitol Campus, the EPA grant is the largest single award the Campus has ever received from an outside sponsor.

Capitol Campus will develop and provide an instructor's guide, participants' (Continued on page 2)



The Alard Quartet is opening its 25th season at Penn State with a Sept. 19 concert. (See story, page 4.) From top: Donald Hopkins, Leonard Feldman, Raymond Page, Joanne Zagst Feldman.

Penn Staters

Dr. Laurie M. Gunter, professor of nursing and human development, has been named a Fellow of the American Academy of Nursing. The Academy is composed of registered nurses who have made significant contributions to the nursing profession. Dr. Gunter has pioneered as an educator, researcher and clinician in the development of geriatric and gerontological nursing.

Dr. Joseph Jordan, professor of chemistry, presented invited lectures on "Electroanalytical Chemistry of Sulfur Compounds" and "Glassy Carbon Electrodes" at the Sept. 1-7 meeting of the International Union of Pure and Applied Chemistry in Davos, Switzerland. He also presented invited lectures at the University of Paris, the National French Science Foundation in Paris, and Louis Pasteur University in Strasbourg. Next month he will deliver seminars at the University of Minnesota and at Iowa State University. At the former institution, he will speak on "Electro-analytical Modelling of Biological Systems;" at the latter, he will discuss "Electrochemical and Thermochemical Resource Development in the Analytical Chemistry of Sulfur Compounds for the New Coal Conversion Technologies."

Otto E. Mueller, who retired in 1977 as assistant vice president in charge of Housing and Food Service Operations, has been named to receive the Association of College and University Housing Officers Award. The award, the highest honor that ACUHO can bestow, recognizes outstanding achievements in the field of college housing and food service.

Dr. Sumer C. Aggarwal, professor of management science, last month chaired a session of the Fifth International Conference on Production Research held in Amsterdam. He also presented a paper at the conference entitled "Productivity: A Measure or a Mirage."

Dr. Patricia Ward, associate professor of French and comparative literature, recently gave a paper on "Medievalism in the Romantic Novel" at the seventh triennial congress of the International Comparative Literature Association. The congress was held at Innsbruck, Austria, with 37 countries represented among the participants.

Rodelle Weintraub, assistant professor of English, presented an invited paper, "The Irish Lady in Shaw's Plays," at the triennial International Conference of the International Association for the Study of Anglo-Irish Literature (IASAIL). The Conference was held at Maynooth College, The University of Ireland, July 9-14.

Dr. Richard A. Queney, associate professor of engineering mechanics, recently presented a paper at the Third International Conference on the Mechanical Behaviour of Materials, meeting at Cambridge University. His paper, "Fatigue and Fracture Response of Metal-Infiltrated Sintered Powder Metals," discussed the mechanical design limitations of composite materials commonly manufactured in Pennsylvania.

George W. Bieri, director of the Wilkes-Barre Campus, has been elected to the Board of Directors of The Economic Development Council of Northeastern Pennsylvania. The EDCNP furthers the social, economic, and physical development of a seven-county area through research, planning, development, and related public information activities.

Obituaries

Samuel C. Sabeau, professor emeritus of art and former assistant dean of the College of Arts and Architecture, died Sept. 9 at the age of 76. He was appointed to the faculty in 1957 and retired in 1967. A graduate of the Minneapolis School of Art, he had a B.A.



Paul Ebaugh, associate dean for research in the College of Engineering, retired Aug. 31 after 34 years of service with the rank of professor and associate dean emeritus.

After receiving his A.B. from Denison University, he worked with the Owens-Corning Fiberglass Corporation, where he developed the original coatings and lubricants for fiberglass textiles. He spent a year in research on low and intermediate temperature bonds for basic open-heart steel furnace refractory aggregates with Basic Refractories, Inc., of Tiffin, Ohio. From 1943 to 1945 he was a research associate at the Harvard Underwater Sound Laboratory, conducting electronics and acoustics research.

Dean Ebaugh joined the faculty in 1945 as an assistant professor at the Ordnance Research Laboratory, where he was

engaged in underwater acoustics research and later served as project engineer for two homing torpedo development programs. In 1952 he was promoted to professor of engineering research and in the same year became assistant to the dean of engineering research and assistant director of the Department of Engineering Research. In this capacity he was responsible for planning, organizing and directing research activities of the College.

In 1957 Dean Ebaugh became associate dean for research. Among his many administrative duties was the directorship of the Space Science and Engineering Laboratory. He also was acting director of the Pennsylvania Transportation and Traffic Safety Center when it was first established in 1968.

Author of several technical articles and papers on acoustics and research administration, Dean Ebaugh is the holder of four patents.

He has served as secretary, conference committee member and chairman of the National Conference on the Administration of Research. He was also chairman of the Engineering Research Council, a member of the board of the American Society of Engineering Education, a trustee of the Upper Atmosphere Research Corporation and a member of the Council of Institutions in the Universities Space Research Association.

Dean Ebaugh and his wife, Jean, will continue to reside in State College.



On Oct. 1, Thomas C. Houtz will retire from his position as group leader-landscape in Physical Plant. He joined the University staff as a groundskeeper on June 16, 1943, and was promoted to group leader in 1962. As group leader, Mr. Houtz was responsible for supervising a crew of approximately 20 people. He was in charge of maintaining the athletic areas, including Beaver Stadium, the soccer field, baseball diamonds, tennis courts and I.M. Building. The crew was also responsible for snow removal in winter and spraying for Dutch elm disease.

Mr. Houtz is a State College native.

John A. Eisenhauer, a patrol officer at the Hershey Medical Center, retired Sept. 1. He had been employed by the University since Aug. 5, 1968.

Promotions

Staff Exempt

Jack D. Brown to director, facilities planning, maintenance and laundry operations in Housing and Food Services.

Polly A. O'Neill to coordinator for in-service training and quality control at Hershey.

John C. Simpson to supervisor, central copy centers in Business Services.

Staff Nonexempt

Mary Ann Biddle to research technician at Hershey.

Dianne Formicone to senior nutritional care technician at Hershey.

Barbara Kopystecki to library assistant, microfoms cataloging in University Libraries.

Clerical

Hallye A. Bathurst to secretary C in Education.

Joy Creeger to secretary C in Liberal Arts.

Karen L. Harpster to secretary B in Engineering.

Jean C. Kagaris to secretary B in Human Development.

Joanne L. Kempher to secretary A in Human Development.

Anna M. Madden to secretary B in Liberal Arts.

Sandra B. Nichols to secretary B at Hershey.

Gloria K. Sampsel to secretary C in Education.

Virginia A. Strelitz to clerk, records A at Hershey.

Pamela J. Williams to clerk, accounting A in Controller's Office.

Technical Service

Roderick E. Barnaby to stock clerk assistant in Intercollege Research Programs.

Barbara A. Bush to animal caretaker A at Hershey.

John L. Ferencik to maintenance mechanic A at Beaver.

Buskirk, assistant professor in the graduate Urban and Regional Planning Program, will be co-director.

Freshmen entering the associate degree program in wildlife technology at the DuBois Campus this Fall will compose, two years hence, the 10th graduating class in this field.

Since its inception in 1970, the program has graduated 350 students. Sherwood S. Stutz, who implemented the curriculum, remains as program head.

Wildlife Technology, a department in the School of Forest Resources of the College of Agriculture, is recognized by other schools. A reciprocal plan in wildlife biology is in effect with Edinboro State College. Graduates from the DuBois Campus may have all of their courses applied toward a B.A. or B.S. at Edinboro. Edinboro students may attend the last two years at the DuBois Campus in the wildlife technology program and receive a bachelor's degree from Edinboro simultaneously with the associate degree in wildlife technology from Penn State.

The Department of Obstetrics and Gynecology at The Milton S. Hershey Medical Center has been expanded to provide a full range of primary care and referral services, Department Chairman

Robert K. Fulton to refrigeration technician at Hershey.

Luella Goshnau to patient service aide at Hershey.

Paul B. Jones to group leader, bindery in Business Services.

Neil B. Kimer Jr. to airport attendant in Business Services.

Billie B. Kress to group leader-food production in Housing and Food Services.

Steve A. Kuczel to maintenance worker (general) B at McKeesport.

Doris Litten to machine operator in Housing and Food Services.

Lynne A. Merryman to stock clerk-truck driver in Housing and Food Services.

Marjorie E. Schaeffer to dining hall worker A in Housing and Food Services.

Edward M. Shirk Jr. to patrol officer at Hershey.

Linda L. States to campus bus driver in Business Services.

Gary W. Walters to relief operator in Business Services.

Dr. Ronald A. Chez has announced.

With the appointment of five new physicians, the department's medical staff has been increased to 10. Six practice both obstetrics and gynecology and four are limited to gynecology.

The department now provides services in obstetrics, gynecologic oncology, gynecologic urology, sexual dysfunction, chronic pelvic pain, gynecologic endocrinology, infertility, family planning, high risk obstetrics, adolescent medicine and the peri-menopausal period.

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University Park Calendar

Sept. 13-23

Special Events

Thursday, Sept. 13
Shakespeare Film, Hall/Rigg, *A Midsummer Night's Dream*, 6:30 p.m., Room 112 Chambers. Free.

Dept. of Architecture Films, Mr. Freedom, 7 p.m.; Fahrenheit 451, 9 p.m., Room 112 Kern.

Religious Affairs, 10-part film, "How Should We Then Live?" 7:30 p.m., Memorial Lounge, Eisenhower Chapel.

Friday, Sept. 14
Sports: soccer, vs. Long Island.

France-Cinema, Claude Chabrol, Violette, 7 and 9 p.m., Room 112 Kern.

Nelson W. Taylor Lecture on Materials Science, 7:30 p.m., Room 26 Mineral Sciences.

Turner Alfrey, Jr., The Dow Chemical Company, on "The Effects of Mechanical Processing on the Structure and Performance of Thermoplastic Polymers," Artists Series, Anthony and Joseph Paratore, duo piano, 8:30 p.m., Schwab.

Saturday, Sept. 15
Sports: football, vs. Rutgers, Beaver Stadium.

Commonplace Theatre, If, 7 p.m.; Oh Lucky Man, 9 p.m., Room 112 Kern.

Performing Arts Festival, John Sowers, magician, 7 p.m.; Penn State Singers, 8 p.m., Schwab.

Sunday, Sept. 16
University Chapel Service, 11 a.m., Eisenhower Chapel. The Reverend Carl Derk, PSU.

Coalition for Christian Outreach, speaker, Shaver's Creek Nature Center, Fall Wildflower and Weeds Walk, 2 p.m., Stone Valley.

Commonplace Theatre, If, 7 p.m.; Oh Lucky Man, 9 p.m., Room 112 Kern.

Monday, Sept. 17
Last date for Nov. graduates to activate diploma cards in Registrar's Office and to pay these fees in Bursar's Office.

France-Cinema, Violette, 7 and 9 p.m., Room 112 Kern.

Color Slide Club meeting, 7:30 p.m., Room 189 MRL.

Performing Arts Festival, Rustical Quality String Band and Red Rose Cottillon Band, 8 p.m., Schwab.

Tuesday, Sept. 18
Gallery talk, 10:30 a.m., Museum of Art. Roy Buck and Richard Jones, organizers of "Heritage Sampler," walk through the exhibit.

Comp. Lit. Luncheon, 12:15 p.m.; talk, 1 p.m., Hotel State College. Gerald Moser, Romance languages, emeritus, on "The 6th Conference of Afro-Asian Writers."

Comp. Lit. Film Series, Sidney Lumet, The Seagull, 6:45 and 9:09 p.m., Room 112 Kern.

Performing Arts Festival, Contemporary Dance Company, 7 p.m., HUB Ballroom.

Wednesday, Sept. 19
Alard String Quartet, 8:30 p.m., Music Bldg. Recital Hall. Free.

Thursday, Sept. 20
Pass/Fail.

Board of Trustees meeting, Keller Bldg. Sports: field hockey, vs. Millersville.

Religious Affairs, 7:30 p.m., "How Should We Then Live?" 7:30 p.m., Memorial Lounge, Eisenhower Chapel.

Performing Arts Festival, Lou Sopoci, piano; Unity Christian Dance Ministry; Donna Jagiello, 8 p.m., Music Bldg. Recital Hall.

Friday, Sept. 21
Pass/Fail. Last date for applying for Graduate School Tuition Grant-in-Aid for Winter Term 1980.

Board of Trustees meeting, Keller Bldg. Sports: soccer, vs. Allersom-Broadus.

Commonplace Theatre, The Apprenticeship of Duddy Kravitz, 7 and 9 p.m., Room 112 Kern.

Performing Arts Festival, women singers and performers, 7 p.m., Robeson Cultural Center.

Artists Series, Forrest Tucker and Butterfly McQueen in Showboat, 8:30 p.m., Eisenhower Auditorium.

Saturday, Sept. 22
Hori Show, 10 a.m.-9 p.m., tents in Flower Gardens.

Sports: football, vs. Texas A & M.

France-Cinema, Eric Rohmer, Perceval, 7 and 9:30 p.m., Room 112 Kern.

Performing Arts Festival, Orchestis Dance Company, 7 p.m., Robeson Cultural Center.

Sunday, Sept. 23
Hori Show, 10 a.m.-4 p.m. Sales of some show materials, 4 p.m., tents in Flower Gardens.

University Chapel Service, 11 a.m., Eisenhower Chapel. The Reverend John J. Wenzke, PSU Lutheran Student Parish, speaker.

Commonplace Theatre, The Apprenticeship of Duddy Kravitz, 7 and 9 p.m., Room 112 Kern.

Performing Arts Festival, "Encore - Best Performances of the Festival," 8 p.m., HUB Ballroom.

Artists Series, Estelle Parsons in Miss Marguerite's Way, 8:30 p.m., Schwab.

Physics/Computer Science, Rolf W. Landauer, IBM, on "Fundamental Physical Limitations of the Computational Process," 3:50 p.m., Room 445 Davey.

Wednesday, Sept. 19
Interdisciplinary Discussion of Sports, Aaron Druckman, philosophy (retired), on "Sport: Muscles, Morality and Metaphysics," faculty informal bag-lunch gathering, noon, Room 104 White.

Thursday, Sept. 20
Chemistry, Jon Clardy, Cornell Univ., on "Structural Studies on Natural Products," 12:45 p.m., Room 333 Whitmore.

Fuel Science, M. A. Vannice, chemical engineering, on "Catalytic Hydrogenation of CO to Produce Fuels and Chemicals," 4 p.m., Room 301 Steidle.

Mathematics, John Nohel, Univ. of Wisconsin, Madison, on "A Nonlinear Volterra Equation Arising in Heat Flow," 4 p.m., Room 102 McAllister.

Exhibits

HUB Galleries: "Roma Interrotta," original architectural drawings.

Kern Commons Galleries: Mahin Ghanbari, ceramics, through Sept. 22; Harley Strauss, photographs, and "Clites, U.S.A.," photographs.

Museum of Art: "Heritage Sampler," through Sept. 23; European works and 19th century American paintings from the permanent collection; recent paintings and drawings by George Zoretich, opens Sept. 16.

Pattee Library: "Maps: Alternate Form of Communication," through Sept. 17, Main Lobby; "American Scene," prints from the University Libraries fine prints collection, opens Sept. 18, East Corridor Gallery.

Robeson Cultural Center: "Black Women: Achievements Against the Odds,"

Zoller Gallery: Faculty exhibit, opens Sept. 16.



"Lots 60 and 63" by Peter Jogo in Zoller Gallery faculty show.

Seminars

Monday, Sept. 17
Plant Pathology, Gary Schroeder, graduate student, on "The Use of Nitrogen to Control Weed Molds in Commercial Mushroom Compost," 3:55 p.m., Room 213 Buckhout.

Tuesday, Sept. 18
Organic/Inorganic Chemistry, Loren Keys, graduate student, on "Recent Mechanistic Studies on Aliphatic Hydroxylations by Cytochrome P-450," 12:45 p.m., Room 333 Whitmore.

Air Pollution, Stephen R. Turns, Mechanical engineering, "Air Pollution and the Automobile," 2:20 p.m., Room 140 Fenske.

Arts Roundup

Zoretich exhibit at Museum

The Museum of Art will host a show of new works executed by George Zoretich, professor of art, during his 1978-79 sabbatical. The exhibition opens Sunday, Sept. 16, with a reception from 3 to 5 p.m. in the Museum.

Included in the show are 14 large acrylic paintings, two watercolors and six pen and ink drawings. Mr. Zoretich describes his work as "rooted in nature," adding: "I am not dealing with direct, observable fact but rather with the essence of nature."

Gallery talk on Sept. 12

Roy C. Buck and Richard Jones will conduct a "Walk through the Heritage Sampler Exhibition" at the Museum of Art at 10:30 a.m. Tuesday, Sept. 18.

The two men, both avid collectors of Central Pennsylvania early domestic arts and crafts, assembled the 104 items currently being shown in the second floor gallery of the Museum.

Mr. Jones resides in Mifflinburg. Dr. Buck is professor of sociology and social sciences at the University. Their talk is sponsored by the Friends of the Museum.



Duo piano team to perform works by Mozart, Brahms, Schubert

Selections from Mozart, Brahms, Strauss and Schubert—including the "Fantasia in F minor"—will be performed by duo pianists Anthony and Joseph Paratore as part of their Artists Series-sponsored concert at 8:30 p.m. Friday, Sept. 14, in Eisenhower Auditorium.

The Paratore brothers studied at Juillard with Rosina Lhevinne, the internationally known teacher, and it was she who suggested that they concentrate on duo piano.

The Paratore brothers have toured throughout Europe, and in 1974 they won the Munich International competition. They have

performed in the United States with orchestras ranging from the Boston Pops to the New York Philharmonic.

Tickets for their performance will be on sale through Sept. 14 at Eisenhower Auditorium box office and the Artists Series HUB booth.

Faculty show opens Sept. 16

The newly created School of Visual Arts will present its first faculty show, opening Sunday, Sept. 16, in Zoller Gallery.

The exhibition, which, in the words of Dr. Harlan Hoffa, acting director of the School, offers "the first opportunity for the art and art education faculties to hang together," will feature works by 40 members of the faculty. Among them are several artists from Commonwealth Campuses.

A wide variety of media will be represented, including painting, sculpture, printmaking, papermaking, weaving, graphic design, ceramics, photography and drawing.

There will be an opening reception from 3 to 5 p.m. in the Gallery on Sept. 16.

(Continued on page 4)

The advantages of a liberal arts education . . .

One of the enduring benefits of a liberal arts education, it is said, is the ability to adapt to a variety of situations as one courses through life.

True as that may be, few graduates ever get to flex their talents for transition like Christine Irvin, a State College native who earned her B.A. in general arts and sciences from the University in 1967 and works now as a secretary for the Artists Series.

From 1975-78, Ms. Irvin was the administrative manager of a 100-acre commercial vineyard in the south of France. There, she developed the business executive's skills for dealing with customers and bureaucrats, the agriculturalists' preoccupation with the whims of nature, and, of course, the connoisseur's tongue for the delights of the vine.

"I didn't go to France to work in the wine industry," she says. "After graduation, I wasn't sure of what I wanted to do. So in 1969 I left for France, thinking I wanted to be a fashion buyer."

Finding fashion not to her liking, she secured employment in Brentano's, a bookstore where she handled English language correspondence.

"During my four years in Paris, I began to get interested in wine," she notes. "There were plenty of opportunities to read about it and taste it, because a little bit of all of France collects in the wine stores."

Through a friend, she met Bernard Laudon, owner of Domain des Feraud, a vineyard in Provence. "When I first tasted his wine, I could hardly believe how good it was," she exclaims. "Provence is hardly the best wine section of France."

M. Laudon, an absentee owner, offered Ms. Irvin a position as secretary, and soon after enlarged her responsibilities to administrative manager.

"My duties were to deal with the six representatives of the firm and to act as their liaison with the proprietor, to do the payroll, to organize and coordinate all operations between the various people involved in filling our customers' orders both in France and abroad, to keep all company records, including the wine storage, to handle all government papers dealing with the transport of wine, and to conduct tours and give tastings."

The paperwork was generated by the abundance of government controls designed to discourage fraud, "to ensure that the wine in the bottle is exactly what is indicated on the label and that the label accurately states this," Ms. Irvin points out.

Government controls were tightened further during her tenure, when the Cotes de Provence was raised in status from V.P.Q.S. (Vins Délimités de Qualité Supérieure) to A.O.C. (Appellation d'Origine Contrôlée).

"The amount of wine the vines in the Cote de Provence were allowed to produce was cut back, as the emphasis was placed on quality instead of quantity," she says.

"The inspectors wanted winemakers in Provence to prune the vines in February—bad for us because we liked to wait until April to prevent frost damage. We were forbidden to sugar anything, whereas some areas may sugar the wine because the alcohol content is normally so low; in the south, long, hot, sunny days made sugaring unnecessary."

Nevertheless, Ms. Irvin notes, it is weather, not governmental restrictions, that plays the most important role in a vineyard.

"A vineyard requires a tremendous amount of work, and you have to be there all the time," she observes. "It gives back what you put into it—if you're lucky!" Domain des Feraud, she notes, lay in a depression that was especially susceptible to killing frosts.

"But M. Laudon was a tremendous innovator, which is why he could produce one of the finest wines in Provence. One of his innovations was to prune the vines differently from the normal pruning method in the region. He cut off everything except for one or two runners



Christine Irvin

which were attached to wires and were better able to withstand the frosts, a method called 'la taille-longue'."

"Another of his innovations was to plant varietals that are not characteristic of Provence, such as the cabernet-sauvignon and syrah, giving him a surprisingly elegant and well made red for Provence, and semillon, the grape for the beautiful sweet wines of Sauternes and which M. Laudon used to make his luscious dry whites."

Still, the frosts took their toll. In Ms. Irvin's first year, Domain lost half its crop to frost and another fourth to rot, caused by excessive rainfall.

And if the vines made it through spring and began to flower, there was a host of other problems.

"Pests tend to attack the plants during the flowering in late May and early June," she says. "We also prayed for wind; bees don't touch the vines, so vintners are entirely dependent on the wind for cross-pollination."

Her section of Provence was often hit by violent summertime storms, which arose quickly and occasionally produced damaging hail.

"We could feel when it was going to hail," Ms. Irvin says. "M. Laudon's answer to that was to fire a cannon-type gun into the clouds beforehand. This affected the temperature so that the precipitation came in the form of rainfall instead of hail."

Heavy rains often came to the south of France in mid-September, but Domain tried to postpone its harvest till late September "so the grapes could get as much sun as possible," Ms. Irvin explains. "If we didn't get our 12 percent alcoholic content, we didn't get our label."

Domain usually hired about 40 extra workers for the month-long harvest. "We tried to get it in as quickly as possible," she says, "because too much rain would reduce the sugar, which is so necessary for the staying power of wine, as well as the acidity which keeps a wine healthy and balanced."

Last year was the Domain's "most fantastic season," Ms. Irvin notes. "We had such good quality wine and so much of it—a change for us."

It was also her last. M. Laudon decided to sell Domain, and after nine years in

France, Ms. Irvin felt it was time to return home.

She very much likes her position with the Artists Series, though she harbors the thought of someday owning her own vineyard.

"You drink up the sunshine, the rain and the hotness of the place and become part of the cycle of nature," she says. "You see all the struggles that a vine has to go through and the people who sweat blood over it, then you put it into a glass for the first time and find that it's beautiful. You get the feeling of what it is like to create a work of art, as indeed a bottle of fine wine is. And that's worth all the struggles and heartaches."

— Roger Williams

Arts roundup

(Continued from page 3)

Shostakovich Quartet on Alard program

The Alard String Quartet, the University's quartet-in-residence, will launch its 25th year with a concert at 8:30 p.m. Wednesday, Sept. 19, in the Music Building recital hall.

Included on the program is Dmitri Shostakovich's Quartet No. 8, opus 110, a piece the Alard premiered in the United States in 1962. Completed in 1960, the Quartet No. 8 reflects the composer's experiences during the siege of Leningrad in World War II.

Mozart's Quartet in B-Flat Major, K. 589 is also on the program, along with Franz Schubert's Quartet in D Minor, opus posthumous, written in 1824. The variations in the slow movement of the latter are based on one of the composer's earlier songs, giving the piece its nickname, "Death and the Maiden."

The Alard String Quartet is composed of Joanne Zagat Feldman and Donald Hopkins, violinists, Raymond Page, violist, and Leonard Feldman, cellist. All are associate professors of music.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 845-1287 (network line 473-1387). Applications for these staff vacancies will be accepted until 5 p.m. Sept. 20, 1979. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ASSISTANT DIRECTOR OF NURSING — COLLEGE OF MEDICINE, Hershey
Responsible to the Assistant Hospital Director/Director Nursing Services for assisting with the administration of the Department of Nursing Services within assigned patient care areas, including the planning, organizing, staffing, coordinating, and evaluating activities necessary for continuation of nursing care and supervision of nursing care. M.S.N. in nursing administration or related field, preferred; or equivalency, and three to four years of directly related experience with a hospital setting and relating to the area of accountability. Current licensure as a registered nurse by the Pennsylvania Board of Nurse Examiners.

STAFF DEVELOPMENT INSTRUCTOR — COLLEGE OF MEDICINE, Hershey
Responsible to the In-service Program Coordinator for planning and teaching various nursing service educational programs. Strives to increase the level of knowledge among the professional staff through various programs of orientation, skill training, continuing education and leadership training. Bachelor's degree with one to two years of directly related experience in hospital nursing, preferably with one year as a staff development instructor, or diploma graduate with two to four years directly related experience in hospital nursing, with a minimum of two years as an in-service instructor.

FIELD SUPERVISOR, DHIA — COLLEGE OF AGRICULTURE, University Park Conduct field training and monitor the work of DHIA supervisors in assigned geographical area; instruct new supervisors in methods of weighing and sampling milk, data collection procedures on feed, prices, breeding, etc. Check the accuracy of the scales used for weighing and sampling milk in the DHIA Program. Assist in checking barn sheet data as required. Make corrections to incorrectly reported data. Provide interpretation of DHIA rules and regulations to supervisors and dairymen. Provide advice and counsel to DHIA local directors on the conduct of their program; report on supervisors' performance; provide recommendations regarding hiring and firing of personnel. Associate degree or equivalent in an agricultural program, preferably dairy science, plus one to two years of directly related experience. Knowledge of milk sampling procedures, feed management and data collection techniques related to dairy operations is desirable.

RESEARCH AIDE — COLLEGE OF AGRICULTURE, University Park Prepare soil samples for laboratory analysis. Determine the proper amount by weight and volume to be used for each experiment. Prepare solutions used for instrumental analysis. Insure that solutions rigidly adhere to experimental specifications and that experiment conditions are followed exactly. Chemically and physically analyze soils. Determine percentage or weight content of elements of salts, silica, alumina, etc., utilizing volumetric, gravimetric, spectrophotometric, flame photometer, atomic absorption processes and the centrifuge. Utilize the University computer facilities when possible to aid in soil experiments. Associate's degree in agronomy or science or two years of degree credits with courses in quantitative analysis, biochemistry and soil chemistry required. Over three months and up to and including 12 months of directly related experience in a soil or plant research laboratory is necessary.

BUSINESS MANAGER, DuBois
Campus Responsible to Campus Director for all University business matters, including maintenance and operation of buildings and grounds, personnel and employee relations, services, purchasing, coordination of physical plant planning and construction activities, security, etc. Bachelor's degree, plus two to four years of directly related experience in the areas of physical plant management, ground maintenance, purchasing, inventory control, budgets, safety programs, etc.

President expresses support for goals of United Way

Since 1971, the University has authorized deductions for one major voluntary charitable fund raising effort on each campus. In the following interview, Dr. Oswald departs from his traditional letter of official authorization for a United Way as the University-endorsed charitable program. He explains his personal views and commitment to United Way and reasons behind the University's support of the program.

QUESTION: Dr. Oswald, your involvement with United Way nationally as a member of the United Way of America Long Range Planning Committee and sub-chairman of the Committee on Volunteerism and Public Policy indicates a personal commitment to United Way.

What are your personal views on the importance of United Way?

ANSWER: For many years it has seemed to me that cooperation and coordination of the compassionate efforts of many individuals are the most effective, efficient, and economical means to accomplish our good intentions for our fellow man. The accumulated experience in the United Way seems to me to serve each one of us in our charitable giving.

QUESTION: You've also been supportive of United Way's America's recent "corporate development" program. The Penn State campus system is seen as an educational or non-profit prototype for a similar complex effort, one coordinated

approach in a dispersed number of locations. What does this mean to a member of the Penn State family?

ANSWER: Nearly 200 large corporations in the United States with subsidiaries across the country are now conducting a unified campaign at all locations. The outline of the campaign, including materials, is similar for all, but the emphasis continues to be a close tie-in with local United Way agencies. The results of such an effort have been significant. And, of course, colleges and universities are similarly involved.

Penn State, with its 22 campuses and eight-year old history of supporting United Way through payroll deductions

(Continued on page 4)



President Oswald

September 20, 1979 Volume 9, Number 4

Penn State Intercom

Senate raises graduation requirements; PS-23 discussed

The University Faculty Senate at its Sept. 11 meeting passed and sent to the Provost legislation requiring a C average for graduation in courses listed in the undergraduate University Bulletin as "Prescribed" or "Additional Credits" under "Requirements for the Major."

Senator Arthur O. Lewis, associate dean of Liberal Arts, offered the following amendment which will be considered by the Senate at its October meeting:

"Nothing in the new addition to 82-40 just passed shall be interpreted as changing higher graduation standards previously approved by the Senate for specific academic units, as listed in the 1979-80 undergraduate Bulletin."

The College of the Liberal Arts currently stipulates that, "A student who receives two grades below C in required courses in the major may be dropped from that major, not later than the beginning of the student's tenth term."

Senate Chairman George J. McMurtrey, noting that the Senate had taken a very important step in amending Policy 82-40, said: "There are many strategies which universities might follow in attempting to hold their enrollments high . . . one

way . . . is to lower standards in order to attract more students and receive more tuition. . . .

"I don't think that I'm letting out any great secrets when I say that one of the very strong themes that runs through the current draft of the Plan for the '80s is to maintain high quality at this institution. It seems to me that the amendment that the Senate passed today was a very strong supporting step in that direction. We really have said that this University intends to maintain and, in fact, even strengthen its requirements and therefore keep its program quality very high."

In presenting a progress report on the implementing of BDR III requirements, Daryl K. Heasley urged senators to monitor in their own colleges the consultation process which should now be taking place between or among units to prepare the listing of BDR III courses for each undergraduate program. These program requirements are due by Jan. 15, 1980.

The composition of the BDR III Subcommittee was announced. It includes, in addition to Dr. Heasley, an associate

(Continued on page 2)

Editor's note: Below is the text of the President's report on promotion and tenure presented to the Senate on Sept. 11.

Mr. Chairman and Ladies and Gentlemen of the Senate. In the very first section of the Senate booklet, the Constitution and Bylaws and Standing Rules of this body are set forth. On the first page is a list of the legislative and consultative or advisory functions in the Constitution of the Senate. Among the latter I refer to consultative functions, number eight, which is entitled "Faculty Affairs including Academic Personnel Policy." Certainly one of the most key and critical of the academic personnel policies of an institution such as this is the one setting forth the procedures and criteria for promotion and tenure. And as we know in this University, these are now incorporated in a policy known as PS-23. This policy, under which we are operating, was approved by my office in the summer of 1975 to go into effect Sept. 1, 1975 — after a long and complete consultative process, first with the Faculty Affairs Committee of this body, and then with the entire Senate itself. As early as 1973, I

indicated in a document addressed to the entire University community the need for a complete review of the tenure policies at the University. About the same time, some of you will recall, there was established a Joint Faculty/Administrative group known as the Friedman Committee, under the chairmanship of Bob Friedman, to review the governance procedures of the University. This group made several recommendations to this body and to me, and jointly to both of us. Many of them related to promotion, tenure, peer review, and similar issues. During the two years of 1973 to 1975, much discussion took place in the Faculty Affairs Committee about the development of a possible new policy to cover tenure and promotion. Recognizing that whatever developed would involve both the Senate in its key role as a consultative group and ultimate Presidential approval, the Senate officers agreed that a representative from my office might serve in an ex-officio capacity with the Faculty Affairs Committee during this drafting period. Our former Vice President Stan Ikenberry served in this role, working very closely with the Faculty Affairs

(Continued on page 4)

UCLA Vice President urges return to teaching of reading and writing

The posture of the humanities — specifically English and foreign languages — in the face of declining student interest and enrollments was the subject of two talks by UCLA executive vice president William D. Schaefer last week.

Dr. Schaefer, a professor of English and former executive director of the Modern Language Association, addressed the English Colloquium and the Comparative Literature Luncheon Sept. 11.

Tracing the change in the public's attitude toward a liberal arts education, Dr. Schaefer pointed to the 1960s as the time when educators "became enamored with the idea of a multiversity which could encompass all kinds of educational endeavor. Since large numbers of students meant increased expenses, higher

education found it convenient to justify the high cost of college degrees through financial arguments. Because college graduates earn more, or so it was claimed, an entire generation of college graduates would somehow be good for the national economy.

"Higher education in effect sold out,"

Dr. Schaefer told the English Colloquium. "No wonder that by the 1970s there were demands for taxpayers for fiscal accountability and from students for courses and majors that could lead, if not to pots of gold, then to jobs. Higher education was no longer viewed as an end in itself but as a means to an end — to jobs, careers and financial security."

Humanists ignored or acquiesced in these developments, overwhelmed by the sheer numbers of students and dazzled by the funds at their disposal. "We began to play the game ourselves," Dr. Schaefer said, recalling a pamphlet distributed by the MLA heralding English as "the pre-professional major."

"But it is not our game," he warned, "and we would be well advised to get out of it and stay out of it. At least as regards the undergraduate curriculum, we cannot persuade the public of the value of a liberal education with a dollar sign."

A second major cause for the present "sorry state" of liberal education, according to Dr. Schaefer, has to do not with the population explosion but with the knowledge explosion, with the

proliferation of new courses, majors and disciplines.

In language and literature, Dr. Schaefer noted, the explosion was not so much in subject matter as approach — elitism became the order of the day.

"We have," he said, "a whole new breed of Ph.D. candidates trained in the subtle art of unintelligibility. . . . I suggest that as a profession we come off it, that we address the head count crisis by developing innovative new courses in which we talk to students about books, knowledge, plays and poets — about what they say and mean and how they say and mean it."

But before literature can be made accessible to students, students must be taught to read and write, and Dr. Schaefer expressed concern that the profession sometimes seems to go out of its way to denigrate the teaching of reading and writing.

He described the very real satisfactions he has personally found in teaching literature, "in working with language, form, imagery, and meaning and watching them explode and come to life in the mind

of the student. . . .

"In many ways it is more difficult to teach a freshman composition class than a seminar on John Donne," he commented.

"All of us must somehow get into the business of teaching basic reading and writing every day," Dr. Schaefer continued. "We in the humanities have to do this because the study of literature, our discipline, cannot survive unless, to borrow a phrase from affirmative action, we develop a 'pool of qualified applicants,' people who can read. Reading and writing are our stock in trade, and until we recognize and reward those who teach and do research in the teaching of reading and writing, until we restore or introduce into our graduate curriculum courses in the teaching of rhetoric and stylistics, we can forget about Chaucer because we won't have enough Chaucer students to worry about teaching."

Dr. Schaefer expressed hope that the pendulum may be swinging back from vocational to liberal education. He cited core course requirements in the humanities which are being reinstated as part of

(Continued on page 3)

Penn Staters

Dr. Antonio C. Lasaga, assistant professor of geochemistry, will receive the 1979 F.W. Clarke Medal of the Geochemical Society at its annual meeting in November in San Diego, Calif. The award recognizes a young scientist for an outstanding paper in geochemistry or cosmo-chemistry published within five years of the completion of his formal studies. Dr. Lasaga was selected for co-authoring a chapter, "The Mathematics of Cation Diffusion and Exchange between Silicate Minerals during Retrograde Metamorphism," that appeared in the book, *Energetics of Geological Processes*, published in 1977 by Springer-Verlag.

Louise W. Hamilton, professor of foods and nutrition extension, received the Doctorate of Food Science Medallion from the 36,000-member National Association of Food Equipment Manufacturers at its annual awards banquet Sept. 17 in St. Louis, Mo.

Dr. Howard E. Morgan, Evan Pugh Professor of Physiology at the Hershey Medical Center, was head of the U.S. Delegation attending the Fourth U.S.-U.S.S.R. Symposium on Myocardial Metabolism, held in Tashkent, U.S.S.R., Sept. 14-15.

Dr. Yupo Chan, assistant professor of civil engineering, has been named a Congressional Fellow with the Office of Technology Assessment (OTA). Dr. Chan, whose appointment is for at least one year beginning Sept. 1, is one of four fellows chosen from 67 applicants in nationwide competition. OTA's basic function is to help legislators anticipate and plan for the effects of technological changes and to examine the ways technology affects people's lives.

Paintings by Bill Hanson, associate professor of art, are included in the final exhibition of the summer season at Wingspread Gallery, Northeast Harbor, Me. Selections for this group exhibition were made by Robert Neuman, professor of art at the University of New Hampshire.

Dr. Joseph L. French, professor of special education and educational psychology, has been elected chairman of the Council of Directors of School Psychology Programs.

Dr. Beverly Lindsay, assistant professor of education, has been named an American

Council of Education Fellow for 1979-80. She will assist in the development of a national policy-research agenda on issues affecting minorities in higher education through the year 2000 and will also prepare policy papers on higher education policy for fiscal 1980-81 for National Institute of Education directors and associate directors. During July and August, she was academic director of Cross Africa Research and Studies Programs for the American Forum for International Study and for Adelphi University.

Retirements

Dr. Harry D. Zook, assistant vice president for research and graduate studies, associate dean of the Graduate School and head of the Intercollege Research Program and Facilities at the University, will retire Sept. 30.

Dr. Zook joined the Penn State faculty in 1942 as an instructor in chemistry. He became an assistant professor in 1946, associate professor in 1955 and full professor in 1960.

From 1965 to 1967 he served as assistant to the vice president for research and director of the Institute for Science and Engineering. In 1967, he was named assistant vice president for research.

Dr. Zook served as the assistant head of the Department of Chemistry from 1960 to 1965. On leave from Penn State during the 1962-63 academic year, he was appointed visiting lecturer in chemistry at Stanford University.

In 1975, he was presented the John E. Wilkinson Award for Administrative Excellence. The award is presented annually to an administrator at the University for outstanding achievement in the administrative field.

Dr. Zook is a 1938 graduate of Penn State with a B.S. in chemistry. He received his Ph.D. in organic chemistry at Penn State in 1942. His M.S. was granted by Northwestern University in 1939.

His research focused on the nature and reactivity of carbanions, and he published 25 papers on his work. He is co-author of the book, *Synthetic Organic Chemistry*.

Edna S. Moore, a food service worker in Housing and Food Services since Sept. 11, 1960, retired Aug. 14.

Cloyd Ruby, a landscape architecture technician in Arts and Architecture since Dec. 15, 1967, retired Sept. 8.

Senate

(Continued from page 1)

professor of rural sociology extension. Dr. Mary G. Chisholm, assistant professor of chemistry at Behrend College; David Schlow, instructor in economics at Shenango Valley; Dr. E. Willard Miller, associate dean for resident instruction, Earth and Mineral Sciences; Dr. Michael P. Hottenstein, professor of management; Joanne Zagst Feldman, associate professor of music; Dr. Eugene R. Melander, assistant vice president for undergraduate studies; and Provost Edward D. Eddy. The leadership of the Faculty Rights and Responsibilities Committee was also announced. Dr. Donald R. Olson, professor and head of mechanical engineering, will serve as chairman; Dr. Ronald J. Harshbarger, associate professor of mathematics at Beaver, vice chairman; and Liberal Arts Dean Stanley F. Paulson, secretary.

Provost Eddy introduced Donald G. Dickson, dean of admissions, who described the reorganization of the Admissions Office and its present thrust. (See story on page 4.)

Merged as of July 1 were the Office of Secondary School Relations, which reported to the Vice President for Student Affairs, and the previous Admissions Office, which reported to the Vice President for Undergraduate Studies. In concert with the Commonwealth Campus admissions offices, these groups will now report through Dean Dickson to the Provost.



Dr. Francis H. Witham, associate professor of biology, is the new head of the Department of Horticulture.

He succeeds Dr. Craig S. Oliver, assistant dean for extension, who has served as interim head since June 1978.

Since 1967, Dr. Witham has been a faculty member of the Department of Biology, responsible for the undergraduate program in plant physiology. He came to Penn State in 1966 as an assistant professor of botany.

Dr. Witham has had three major research interests in plant physiology — the isolation and chemical characterization of compounds which stimulate cell division in normal plant tissues and tumors, determining the chemical basis for interaction between plant hormones and nucleic acids, and investigating the physiological and biochemical basis of cold tolerance in plants. He has published about 30 papers on these topics.

A native of Waltham, Mass., Dr. Witham earned his B.S. and M.S. degrees in botany and zoology at the University of Massachusetts. In 1964, he received a Ph.D. in plant physiology from the University of Indiana, with minors in zoology and chemistry.

He and Prof. Carlos O. Miller, a University of Indiana botanist, pioneered the work on the discovery, chemical characterization and biological activity of Zeatin, a highly potent regulator of cell division in plants.

A textbook consultant in plant physiology for Van Nostrand Reinhold Publishing Co., Prentice Hall and Springer-Verlag, Dr. Witham is the senior author of the widely used laboratory text, *Experiments in Plant Physiology*, and a scientific advisor in chemistry and biology to the J.T. Baker Chemical Company.



Winfred M. Phillips, professor of aerospace engineering, was appointed associate dean of research for the College of Engineering, effective Sept. 1. He succeeds retiring Dean Paul Ebaugh.

Dean Phillips received a B.S. in mechanical engineering from the Virginia Polytechnic Institute and an M.S. and D. Sc. in aerospace engineering from the University of Virginia. He joined the Penn State faculty in 1966 as an assistant professor. He was promoted to associate professor in 1974 and to professor in 1978. During 1976-77, he was a visiting professor at the Institut de Pathologie Cellulaire of the University of Paris, and Hôpital de Bicêtre. Last year he was acting chairman for the Intercollege Bioengineering Program at the University.

His research interests include fluid mechanics, hemodynamics and the development of a total artificial heart and heart assist devices. He has contributed to four biomedical engineering books and is the author or co-author of more than 80 articles, technical papers, reviews and abstracts. In 1971, he received a Dow Award for Outstanding Young Faculty Members, and he currently holds a Research Career Development Award from the U.S. Public Health Service.

Elwood M. Wagner, records officer, has been appointed associate registrar in a reorganization of the University Registrar's Office.

Other changes announced by Warren Haffner, University registrar, include: Ardell Tyson as coordinator of data systems and procedures; Richard T. Sodergren as director of registration and scheduling; and Gary L. Hile as director of records.

Bryn Mawr archaeologist to lecture Sept. 25

Brunilde S. Ridgway, of the Department of Classical and Near Eastern Archaeology at Bryn Mawr College, will speak on "Architect and Sculptor in Fifth Century Athens" at 8 p.m. Tuesday, Sept. 25, in Room 101 Kern Building.

Her public lecture, which will be illustrated with slides, is sponsored by the Central Pennsylvania Society of the Archaeological Institute of America.

In her talk, Dr. Ridgway will discuss the problem of which decisions in major monuments were made by the architects and which by the sculptors.

Prof. Ridgway was born in Italy and received her education there and in Abyssinia. She holds a Ph.D. in classics from Messina University and a second Ph.D., this one in archaeology, from Bryn Mawr. In 1977 she was named Rhys Carpenter Professor of Classical and Near Eastern Archaeology.

She has been a member of the Institute for Advanced Study at Princeton, director of the Summer Session at the American School of Classical Studies in Athens, and Andrew Mellon Visiting Professor in Fine Arts, University of Pittsburgh. She is also a panelist and consultant for the National Endowment for the Humanities.

In addition to numerous articles and book reviews, her publications include the following books: *The Severa Style in Greek Sculpture*, *Classical Sculpture*, and *The Archaic Style in Greek Sculpture*.

"I think that particular reporting relationship is important," Dean Dickson pointed out. "It says that admissions is first and foremost an academic affair of the University..."

He noted that the "old" Admissions Office did an outstanding job in the 1978-79 year, and that admission data, as of Sept. 6, were up about 10 percent over last year at University Park, and slightly more at the Campuses.

Dean Dickson also told the Senate of his intent:

— To incorporate Commonwealth Campus admissions representatives as thoroughly as possible into the admissions process;

— To generate a tracking system for student inquiries and to make "intelligent use of marketing techniques";

— To explore with the Senate ways of becoming "more flexible in our admissions standards" to "identify and capture many different kinds of talented students";

— To try to increase minority student enrollment, which now constitutes about 2 to 3 percent of the entering student body; and

— To intensify efforts to obtain financial aid for students.

The Senate also heard a report from W. LaMarr Kopp, director of the Foreign Studies Program. Dr. Kopp noted that some 3,200 students have thus far participated in overseas programs, and that in 1979 the grade point average of Penn State students studying in foreign countries was 3.31.

He also pointed out that students are sometimes discouraged from applying for foreign studies programs because they fear they cannot afford it.

"If a student can afford to be at University Park, he or she can afford to be in Taiwan," Dr. Kopp said.

A brief status report was made by Graduate Dean James B. Bartoo, chairman of the Joint Faculty/Administration Commission To Review and Make Recommendations on Policy Governing Promotion and Tenure.

Dean Bartoo said that the Committee had prepared 10 preliminary recommendations and was now in the process of receiving input from the Faculty Affairs Committee, the Council of Academic Deans, the Council of Commonwealth Campus Directors, and the Caucus of Commonwealth Campus Senators.

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University Park Calendar

Sept. 20-30

Special Events

Thursday, Sept. 20
GSA Jogging Workshop,
7:30 p.m., Room 101 Kern.
Office of Religious Affairs 10 part film, "How
Should We Then Live?" 7:30 p.m.,
Memorial Lounge, Eisenhower Chapel
Performing Arts Festival. Lori Sopoci, piano;
Donna Jagiello, dance, 8 p.m., Music Bldg.
Recital Hall.

Friday, Sept. 21
Pass/Fail.

Last date for applying for Graduate School
Tuition Grant-In-Aid for Winter Term 1980.
Board of Trustees meeting, Keller Bldg.
Performing Arts Festival. University Choirs,
12:30 p.m., Pattee Library steps; speakers,
Sue Kogan on "Women in the Arts," and
Karen Pollock on "A Pencil on the Arts,"
1:30 p.m., HUB Main Lounge; women
singers and performers, 7 p.m., Robeson
Cultural Center.
Geography Dept. coffee and lecture, 3:45 p.m.,
Room 319 Walker. Kent Forster, history, on
"Are There Yugoslavs in Yugoslavia?"
Sports: soccer, vs. Alderson-Broadus, 7:15
p.m.

Artists Series, Show Boat, with Forrest Tucker
and Butterfly McQueen, 8:30 p.m.,
Eisenhower Auditorium.

Saturday, Sept. 22
Hort Show, 10 a.m.-9 p.m., tents in Flower
Gardens.

Sports: men's cross-country, Alumni
Invitational, 10:30 a.m.; women's cross
country, Lady Lion Invitational, 11 a.m.;
football, vs. Texas A & M, 1:30 p.m.
France-Cinema. Eric Rohmer, *Perceval*, 7 and
9:30 p.m., Room 112 Kern.

Performing Arts Festival, Orchestra Dance
Company, 8 p.m., Robeson Cultural Center.
Sunday, Sept. 23
Hort Show, 10 a.m.-4 p.m., tents in Flower
Gardens. Sales of some show materials, 4
p.m.
University Chapel Service, 11 a.m., Eisenhower
Chapel. The Reverend John J. Wenzke, PSU
Lutheran Student Parish, speaker.
Shaver's Creek Nature Center, "Wild Plant

Seed Dispersal," 2 p.m., Stone Valley
Commonplace Theatre. *The Apprenticeship of
Duddy Kravitz*, 7 and 9 p.m., Room 112
Kern.

Performing Arts Festival. "Encore - Best
Performances of the Festival," 8 p.m., HUB
Ballroom.

Artists Series, Estelle Parsons in Miss
Margarita's Way, 8:30 p.m., Schwab.

Monday, Sept. 24
Pass/Fail.
Drop deadline.
Course repeat deadline.
Preregistration deadline for Winter Term 1980.
New deadline for Winter and Spring Terms
IAHS faculty research grant applications,
Hilgert Cottage.
France-Cinema, *Perceval*, 7 and 9:30 p.m.,
Room 112 Kern.

Tuesday, Sept. 25
Last date for written foreign language
examinations (other than French and
Spanish) for advanced degree candidates.
Comp Lit. Luncheon, 12:15 p.m., talk 1 p.m.,
Holt State College. Peter Clemoes,
medievalist, Cambridge Univ., speaker.
Sports: women's volleyball, vs. Indiana (Pa.), 6
p.m.; soccer, vs. West Chester, 7:15 p.m.
Comp. Lit. Film Series, Antonioni, *The Red
Desert*, 7 and 9 p.m., Room 112 Kern.

Archaeological Institute of America Lecture, 8
p.m., Room 101 Kern. Brunilde Ridgway
and Bryn Mawr College, on "Architect and
Sculptor in fifth century Athens."
Artists Series Film, Akira Kurosawa, *Seven
Samurai*, 8 p.m., Schwab.
English Colloquium, 8 p.m., Room 305 HUB.
Peter Clemoes, Cambridge Univ., on
"Symbolic Language in Old English
Literature."

Wednesday, Sept. 26
Kern Commons Concert. Rustical Quality
String Band, noon-1:30 p.m., Kern Lobby.
Raymond Page, viola, 8:30 p.m., Music Bldg.
Recital Hall, free.

Thursday, Sept. 27
GSA, Macrae Workshop, 7:30 p.m., Room
112 Kern.
Faculty Women's Club Fall Reception, 7:30-9:30
p.m., Kern.
Religious Affairs, 10 part film, "How Should
We then Live?" 7:30 p.m., Memorial
Lounge, Eisenhower Chapel.

Friday, Sept. 28

Last date for applying for 1980 Study Abroad
(Fulbright) Awards.

Geography Dept. coffee and lecture, 3:45 p.m.,
Room 319 Walker. Arthur Anderson,
architectural, on "Visual Stimulation."

Commonplace Theatre, *Kentucky Fried Movie*,
7 and 9 p.m., Room 112 Kern.

Artists Series, Pinchas Zukerman, violin, 8:30
p.m., Eisenhower Auditorium.

Saturday, Sept. 29

Last date for November graduates to deliver
doctoral theses to the Committee.

Sports: women's golf, Penn State Fall
Invitational, through Sept. 30; women's
tennis, Penn State Invitational, through
Sept. 30; field hockey, vs. Lock Haven, 1
p.m.

France-Cinema, Rainer Werner Fassbinder, *The
Bitter Tears of Petra Von Kant*, 7 and 9 p.m.,
Room 112 Kern.

Sunday, Sept. 30

University Chapel Service, 11 a.m., Eisenhower
Chapel. Dr. John W. Davis, PSU Center for
Air Environment Studies, speaker.
Commonplace Theatre, *Kentucky Fried Movie*,
7 and 9 p.m., Room 112 Kern.

Seminars

Monday, Sept. 24
Microbiology/Cell Biology/Biochemistry/
Biophysics, Loretta Leive, NIH, on
"Mutants in Lipopolysaccharides that Affect
Permeability of *Escherichia coli*," 3:55 p.m.,
Room 101 Althouse.

Plant Pathology, Barbara Illman on "Does Light
Induce Viral Replication?" 3:55 p.m.,
Room 213 Buckhout.

Tuesday, Sept. 25

Organic/Inorganic Chemistry, William Mueller,
graduate student, on "Transition State
Analog Enzyme Inhibitors," 12:45 p.m.,
Room 333 Whitmore.

Air Pollution Control, John M. Tarbell,
chemical engineering, on "Combustion
Modifications for the Control of NO_x
Emissions," 2:20 p.m., Room 140 Fenske.

Geosciences, Thomas C. Hoering, Carnegie
Institution of Washington, on "The
Biogeochemistry of Stable Isotopes," 3:45
p.m., Room 112 Walker.

UCLA Vice President

(Continued from page 1)

breadth requirements on many campuses;
other schools, he said, are developing
broadly based lower division sequences
which bring many disciplines to bear on a
particular theme.

And he referred to the efforts of the
Presidential Commission now preparing a
report on language and area studies and to
the funds currently available to the
National Endowment for the Humanities.

"Things are happening - it is all too
little or too late? I don't know," he said.

The factors working in favor of English
studies may also help foreign language
programs, according to Dr. Schaefer.

In his address to the Comparative
Literature Luncheon, he urged his
colleagues if "we seriously believe in the
importance of language acquisition to
insist that our institutions take steps to
ensure that language studies receive a high
priority."

This priority, however, should not be
given to programs which force students to
complete a set number of course credits.

"I believe the foreign language course
requirement is responsible more than any
other single factor for the dismal state of
language in our schools," Dr. Schaefer said.
"The course becomes an end in itself.
What we need is a stipulated, specific level
of attainment."

Language studies must "be brought out
of the closet," Dr. Schaefer said, "to
occupy a meaningful place in our
communities," so that students can expand
their proficiency by actually using the
language they are studying.

"But we will never reach the promised
land until we recognize that both the

A daily calendar of events is available around
the clock at 863-1100. For the latest information
on College of Arts and Architecture events,
telephone 863-1200.

Wednesday, Sept. 26

College of Agriculture, R. G. Cunningham, vice
president for research and graduate studies,
on "Seeking Funds from Government
Agencies and the Services Offered by the
University," 4 p.m., Room 301 Ag. Admin.
Bldg.

Thursday, Sept. 27

Chemistry, Michael Harach, Institut fur
Organische Chemie, Tubingen, on
"Mechanistic and Preparative Aspects of
Vinyl Cation Chemistry," 12:45 p.m., Room
333 Whitmore.

History, Eugene N. Borza, history, on "Malaria
and the Ecology of Macedonia in Antiquity:
An Exercise in Balkan Historical
Geography," 3 p.m., Room 101 Kern.

Physics, Kenneth Brecher, Boston Univ., on
"Do Neutron Stars Obey the Laws of
Physics?" 3:55 p.m., Room 117 Osmond.

Fuel Science, Ashok Moza, fuel science, on
"Slag Formation in Coal Combustors," 4
p.m., Room 301 Steele.

Mathematics, J. Cima, Univ. of North Carolina,
on "Some Properties of Bloch Functions," 4
p.m., Room 102 McAllister.

Exhibits

Chambers Gallery: David Van Dommelen,
"Tents and Tapestries," woven wall
hangings.

HUB Galleries: "Roma Interrotta," original
architectural drawings, through September.

Kern Commons Galleries: Mahin Ghanbari,
ceramics, through Sept. 22; Harley Straus,
photographs, and "Cities, U.S.A.,"
photographs, both through Sept. 29; Tsing-
fang Chen, paintings, opens Sept. 30.

Museum of Art: "Heritage Sampler," through
Sept. 23. European works and 19th century
American paintings from the permanent
collection, recent paintings and drawings by
George Zoretich; 19th century American
prints and drawings from the permanent
collection, opens Sept. 30.

Pattee Library: "American Scenes," prints
from the University Libraries fine prints
collection. East Corridor Gallery.

Zoller Gallery: Faculty exhibit.

News in Brief

Deposit slips to be put in interdepartmental mail

Effective Oct. 1, all employees who have
their salaries deposited directly in the bank
will have the deposit slips showing payroll
deductions and amount of deposit
delivered to their place of work every
payday via interdepartmental mail.
Deposit slips will no longer be mailed to
the home address each quarter as in the
past.

All members of the staff who will be
involved in routing this information are
asked to cooperate in making the new
system work by seeing that deposit slips
are delivered to the proper recipients as
promptly as possible.

W-2 forms, which must be filed with
income tax returns, will also be delivered in
January via interdepartmental mail.

Roma Interrotta exhibit brought to Penn State

The Roma Interrotta, an exhibition of the
20th century redesigning of Giambattista
Nolli's famous map of the city of Rome, is
on display at the HUB Gallery through
Sept. 23.

The Penn State exhibition is the second
of only two engagements the show will
have in this country. The first was held in
the Cooper-Hewitt Museum in New York
City.

The Interrotta comprises the efforts of
twelve 20th century architects who
superimposed present-day forms on the
18th century Nolli plan. The redesign of
the map shows the variety of formal and
philosophical attitudes regarding urban
design which are held by these architects.

The 1746 Nolli plan contains not only
contemporary structures but famous
monuments such as St. Peter's Basilica.
Remaining ancient and Christian structures
of the capital also are recorded.

The unique feature of the Nolli map is
the distinction between public and private
areas of the city. Public spaces, interior and
exterior, are drawn in a deliberate, detailed
architectural manner; while those areas
designed as private spaces are outlined
only for the purpose of clarifying
boundaries, then shaded in.

The map, respected by architects and
urban designers world wide, became a
source for the later development of Rome,
as well as an inspirational guide for other
cities in the 19th and 20th centuries.

The Roma Interrotta showing at Penn
State is sponsored by the Department of
Architecture.

Page to offer violin, viola recital Sept. 26

Raymond Page, associate professor of
music, will present his first recital of the
year at 8:30 p.m. on Wednesday, Sept. 26,
in the Music Building Recital Hall.

During the first part of the program,
Mr. Page will perform J. S. Bach's Sonata
in E Minor and Bela Bartok's Sonata No. 2
on the violin. He will be accompanied on
the piano by Steven Smith, an associate
professor of music.

During the second part of the program,
Mr. Page will perform the viola part of
Hindemith's "Meditation," accompanied
by pianist Phyllis Triolo.

The program will conclude with a
performance by the Camerata Trio of
Johannes Brahms' Trio for Viola, Cello and
Piano. The trio consists of Mr. Page, Ms.
Triolo and Earl Williams. Dr. Williams
earned his Ph.D. in acoustics at Penn State
last year.

PHOTO BY JEFFREY M. HARRIS

(Continued from page 1)

Committee in the drafting period of the document that ultimately came to the Senate. In the Spring of 1975, there was much discussion and debate about the recommendations that came forward from the Senate Committee on Faculty Affairs, and ultimately a totally new policy was passed by this body and recommended to be late in the Spring of 1975. I approved the Senate recommendations in total — only after making a few necessary editorial changes and adding a section covering research personnel, who at that time were not a part of this body and therefore were not considered in the document prepared by the Senate. This document became effective on Sept. 1, 1975. It was also necessary to develop administrative guidelines each year in order to have certain dates set, specific regulations regarding membership on committees and various procedural steps. But I always make it a policy to review these administrative guidelines with the Faculty Advisory Committee, as you heard from Chairman McMurtry. I have done this year already, for the guidelines for next year. PS-23 is basically administered by the Provost's Office. After the first year of implementation in 1975-76, and much more so after the second year of '76-77, several suggested changes in PS-23 were forthcoming from various segments of the University. Some of these changes were basic in character, and others of them were rather minor and more procedural in nature.

I personally was very reluctant to make any basic alterations in PS-23 before a five-year period of experience, recognizing the need for any such policy as important as this to have stability and continuity and not to be subject to constant changing, and therefore, represent some uncertainty as related to individual faculty members. In September of 1977 I discussed the matter at length with the Faculty Advisory Committee, who agreed with this position. At that time it was agreed that there should be established a Joint Faculty/Administration Commission that would keep under continuous review — and I emphasize the word "continuous" — a continuous review of

the effectiveness of the University policy on promotion and tenure. The Commission would make recommendations that might be considered after the policy had been in effect some five years. This joint commission was appointed by the then Chairman of the Senate, Professor Thomas Daubert, and myself, in October of 1977, and Dean James Bartoo was named by the two of us as chairman of the joint commission.

At the September '77 meeting of the Senate I also reported on the statistics of the operation of PS-23 for the first two years. I was asked if I would make a similar report each year thereafter; that is, to indicate the various statistics that this group would find of interest. I also at that time announced the plan to avoid any fundamental changes in PS-23 during that first five years of operation, and also indicated the intention to establish the Joint Commission. I also, however, indicated some four or five minor issues to which the Faculty Affairs Committee might give immediate consideration concerning possible changes. Thus during the Spring of '77-78, there were some nine changes recommended by this body to me. Of these I approved six; one other was interpreted as already permissible; the two remaining of them, however, were considered major in character and were referred to the Joint Commission chaired by Dean Bartoo. I also again a year ago at this time reported on the third year of operation of PS-23.

I now give the report of the operation during the past year. In the year 1978-79, the University Review Committee considered 91 recommendations for tenure. The Committee gave these very careful reviews and I cannot emphasize too strongly the appreciation that I have, and that I think you would have had also, for the amount of time and care and concern the Committee puts into the process of review. Of the 91 recommendations for tenure, 80 were recommended by the Committee to be awarded; and 11 were recommended not to be awarded. This represented 88 percent positive recommendations by the University Committee. Provost Eddy and I reviewed every one of the 91 cases, and particularly those cases where there was a clear difference of opinion within the University Committee. We not only received the Committee's report, but we received the

position taken by each one on the Committee as well as the total results. This year we had no disagreements with those 11 recommended negatively by the Committee. Of those 11, one was from Behrend College; six were from University Park; and four were from the Commonwealth Campuses. As far as promotion and promotion to full professor in '78-79, 45 were considered by the University Committee, and the ultimate result was that 39 of these were promoted and six of these were not promoted. Of these six, four were individuals at University Park, and two were from the Commonwealth Campuses. Insofar as the relationships between the recommendations of the Committee and the ultimate action of the President and the Provost on these, we differed on three cases. The Committee had recommended 42 yes and three no. The final decision was 39 yes and six no. There were three cases in which there was disagreement out of the 45 cases.

In promotions recommended to associate professor last year, there were 81 considered. Sixty-eight of these were from University Park, Capital, Hershey, and Behrend, and 13 were from the Commonwealth Campuses. Of the 68 from the four campuses other than the Commonwealth Campuses, 42 were recommended for promotion, and 26 were recommended not to be promoted. Of the 13 from Commonwealth Campuses, 10 were recommended to be promoted; three were recommended not to be promoted. Of the 81 total, 52 were recommended to be promoted; 29 not, or 64 percent. Out of that 81, there were five cases with which the Provost and the President differed with the recommendations of the Committee. I must emphasize that in each of these there were major differences within the Committee also. There were many cases where the reports of the Committee would be six for promotion, five against promotion, or there were a number of cases where there were five for promotion, five against, and one abstained. Those were not what I would call recommendations; they gave us, however, an idea of the very close call that was necessary. So I bring this report to you which does not differ very much from the previous year.

I will offer just three more sets of figures. In the case of tenure throughout the entire University (as you know, tenure can be denied

at the department or college level, as well as at the University level), of those originally recommended for tenure throughout the University, 69 percent received tenure. At University Park, 72 percent recommended for tenure received tenure; from the Commonwealth Campuses, 74 percent recommended for tenure received tenure. So the percentages were almost identical. For promotion to professor, of those recommended, 38 percent were promoted; for University Park, the figure was 38 percent; for the Commonwealth Campuses, it was 60 percent, which represented, however, three out of five as compared to a much, of course, higher figure at University Park. For total University, at the associate professor level, 35 percent of those proposed were promoted; at University Park, 36 percent were promoted; for the Commonwealth Campuses, 43 percent of those proposed were promoted to associate professor. I am often asked about these figures and how they compare among locations of the University. These figures, of course, will be made a part of the record.

Before closing my remarks on tenure, let me make one last comment. This Commission that has been appointed and which Dean Bartoo chairs, is not appointed as an ad hoc group, but rather as a continuing group to keep PS-23 under continuous review. Therefore, after it makes its final report to the Chairman of the Senate and to me sometime this Winter and the Faculty Affairs Committee begins its work in drafting possible legislation concerning changes, I am going to ask this Commission to stay in operation long enough to review these drafted proposals before they get too far along the line. This group of faculty and administrators in the Commission have probably been giving more thought to the operation and problems and the complexity of PS-23 than any other group within the University. After this next review, the Chairman of the Senate and I will take steps to begin rotation of membership in this Commission. In this way, although it is a continuous commission, the individual members will be changed from time to time. We will set forth a method whereby there is some continuity in the group.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Sept. 27, 1979.

COMPUTER OPERATOR — UNIVERSITY LIBRARIES, University Park Responsible for preparing the computer for program processing and for satisfactory completion of scheduled computer operation. Duties include setting up for various programs and operations, preparing peripheral equipment, maintaining equipment, diagnosing causes for interruptions, verifying output, recording usage, and completing job run sheets. High school graduate with operator's training in basic computer systems, equal to two years of college. One to two years of effective experience.

E.H.S. SHIFT SUPERVISOR, COLLEGE OF MEDICINE, Hershey Responsible to the Manager Environmental Health for overall quality control planning, scheduling and supervising the work of the project cleaning crews. Conduct training sessions for janitorial workers, evaluate new materials, equipment and techniques. High school with a minimum of 3-4 years effective experience, including some supervisory experience in janitorial service or related area.

MAINTENANCE SUPERVISOR — MEADE HEIGHTS, HOUSING AND FOOD SERVICES, Capitol Campus Responsible to Manager of Housing and Food Services at Capitol campus for general housekeeping and maintenance of Meade Heights houses, residence halls, married student apartments, and ground keeping services in the Meade Heights area. High school diploma required, trades or apprenticeship training in maintenance for two to four years of experience in maintenance type operations.

FOOD SERVICES SYSTEMS ASSISTANT, Human Development Responsible to the faculty of FSHA for assisting students in the efficient and effective procurement of foodstuffs and supplies and for coordinating the internal operation of the dining facilities. Duties include: advising students on food ordering and delivery systems, checking accuracy of student orders, coordinating order-receiving of foodstuffs, checking orders and delivery and return for credit inappropriate supplies. Locate vendors for unusual products, maintain balance in central journals, approve and process invoices, maintain inventories, maintain storage area. High school graduate, plus up to two years of experience in quantity food operations. (This position requires 33-37 weeks of service — usually Sept. 1-May 20 — and will be tied directly to the terms. Vacation will be taken between terms.)

United Way

(Continued from page 1)

and working with local United Ways, could be viewed as a model for higher education.

For a member of the Penn State family, our participation in this program changes little. In the next few years, with the help of United Way professional staff persons, we hope to improve even more our methods for telling Penn Staters the hows and whys of United Way, so that everyone can make an informed decision. This year's program, beginning with this interview, is the start.

QUESTION: Why has the University chosen to endorse United Way instead of a series of individual agency campaigns?

ANSWER: Across the State, United Way represents a large number of community help agencies. Because of the number of agencies that can be helped by one drive and because those agencies are selected by local people, participating in United Way is an efficient way of helping many people with a minimum of time and expense.

QUESTION: How does the University benefit from participation in United Way?

ANSWER: Although there are no statistics available to us, we know that through United Way agencies across the State many of Penn State's more than 12,000 employees and its 50,000 students and many of their families are helped either directly or indirectly. In addition, the University is a prime employer in some localities and accepts a responsibility to give leadership to charitable efforts in the area. For example, in Centre County, the University Park campus is the county's largest employer and the United Way is significantly affected by the response of the University community.

QUESTION: The campaign literature stresses that an individual's contributions are confidential. How is that confidentiality ensured?

ANSWER: An individual's participation

in United Way is confidential whether he or she has chosen to contribute or not. Our concern is that every employee has the opportunity to reply. Local United Way agencies receive the information directly and tabulate it. Their records are confidential, too. But to make sure all persons have had the opportunity to participate, the names of persons who haven't replied by certain deadlines are made available. As in the case of salary information, payroll deductions are also confidential. An individual's deductions, for credit union, insurance or United Way, are not released outside the Payroll Department to anyone else in the University.

QUESTION: What is our procedure and goal for Penn State and the authorized charitable solicitation this year?

ANSWER: I encourage and urge each person to join me in receiving, reading and acting on the materials sent out.

Van Dommelen exhibits woven hangings in Chambers

"Tents and Tapestries," an exhibit of woven wall hangings by David B. Van Dommelen, professor of art education, will continue through Oct. 2 at the Chambers Gallery.

The hangings in the exhibit use assorted materials, including paper and textiles. "The examination of textures in juxtaposition with each other is exciting to me, while the discovery of unusual materials opens up new and rewarding avenues of personal expression," Prof. Van Dommelen says.

"My interest in tents during the last year is an outgrowth of my imaginary world of fantasy and make-believe, which I believe all of us should live in — at least part of the time."

Admissions Office reorganized into teams

The Undergraduate Admissions Office has been reorganized into four regional teams, according to Donald G. Dickason, dean of admissions.

"The regional teams are designed to serve the Eastern, Western and Central/Northeastern sections of Pennsylvania," Dean Dickason says. "In addition, we've formed an Out-of-State Regional Team."

Previously, the Penn State admissions process had been conducted through a system of specialists working in individually defined areas. There were, for example, separate admissions counselors for freshmen, advancing standing students, provisional and non-degree students, those seeking readmission and students being admitted through EOP.

The reorganization, Dean Dickason says, will enable the Admissions Office to serve better the 20 Penn State campuses which are involved with undergraduate instruction as well as the prospective applicants themselves.

Under the reorganization, which takes effect Oct. 1, Dr. James T. McKel, director of undergraduate admissions, will be the overall director of the regional teams.

Geoffrey J. Harford will be the Eastern Regional Coordinator, and Diane Freytag will be assistant director. The Central/Northeastern Regional Coordinator will be Henry E. Schmidt, with Nancy J. Klosterman as assistant director. Western Regional Coordinator Samuel W. Haggerty will be assisted by Sara K. Ness, and James Winck will head the Out-of-State team.

It was announced earlier that Dr. Glenn C. Carter is the assistant dean for admissions. Other appointments in the reorganization of the office are George T. Clark, assistant to the dean in charge of minority admissions; and Paul Kenep, director of academic information systems.

Penn State Intercom

News in Brief

Faculty, staff members to receive benefits statement

Each regular, full-time faculty and staff member appointed prior to Jan. 1, 1979, will receive a personal statement highlighting the major provisions of the comprehensive program of benefits provided to faculty and staff members and their families by Penn State.

The individual statements will be mailed in early October to the home address and will provide basic information on the group life insurance, hospital, surgical and major medical and dental coverage, retirement, social security, accidental death and dismemberment insurance, disability benefits and worker's compensation. Also, an estimated dollar value of the benefits will appear on each statement.

President Oswald requested that these statements again be provided to faculty and staff members to inform new employees about their benefits and to update information for faculty and staff members who received the initial benefits statements issued in 1977.

The information shown on the statements reflects data as of July 1, 1979, and includes salaries as increased effective that date. However, any changes in

information since that date will not be reflected in the statement.

Faculty or staff members who have any questions about their statement should contact the Employee Benefits Division.

Senate to meet Oct. 2

The University Faculty Senate will hold its October meeting at 2:10 p.m. Tuesday, Oct. 2, in Room 112 Kern Graduate Building.

The Senate will debate and vote on a motion proposed as an addition to Policy 82-40, passed by the Senate last month. Academic policy 82-40 requires that in order to graduate a student must earn at least a C cumulative average for all courses designed as "Requirements for the Major," including "Prescribed Courses" and "Additional Courses."

The new motion asks that nothing in the new addition be "interpreted as changing higher graduation standards previously approved by the Senate for specific academic units as listed in the 1979-80 Undergraduate Bulletin."

The Senate will also discuss legislation delegating responsibility for curricular matters to the College of Medicine. The text of this proposal appears on page 6. This legislation will be voted on in November.

(Continued on page 6)

The Challenge of the '80s

Editor's note: This article is part of a series in which the academic deans reflect on what lies ahead for their colleges in the '80s.

The millions of Americans who have taken to jogging, paddleball and cross-country skiing mean good news for the College of Health, Physical Education and Recreation in the eighties.

The national obsession with physical fitness has significantly altered both the academic mission of the College and the job prospects of its graduates, according to Dean Robert J. Scannell.

"Historically we were a teacher training college," he points out. "Until the 1960s, no one graduated from HPER without a teaching certificate."

But as doctors began to herald the benefits of exercise and a prospering economy produced the leisure and cash rewards necessary to enjoy it, new industries burgeoned — and with them new job opportunities.

"We've moved away from a purely institutional orientation," Dean Scannell

explains. "In the mid-sixties, a recreation major could look forward to being recreation program, usually for a government agency. A physical education major could look forward to being employed as a teacher by a school district."

"Now less than half of our graduates take that route. One of the biggest demand areas in recreation, for example, is in nursing homes. Twenty years ago, no one had even thought of hiring a recreation major for this kind of work. Health education is another rapidly changing job area. Hospitals and clinics need training personnel to 'translate' the complicated instructions physicians prescribe for their patients."

"I don't see this phenomenon going too much further in terms of changing the nature of the College," Dean Scannell continues. "We expect the job market for physical education teachers to begin to strengthen even though the school population has declined."

"Many of the World War II veterans who flooded the field are approaching retirement, while teachers who were unable to find jobs have entered other professions. They aren't going to return to teaching because they can't afford to take the salaries that accompany entry-level positions. And finally, the downward trend in the population curve seems to be leveling off."

"So I think we've hit the bottom, even if we haven't quite finished adjusting to it." The action will be in the health-related areas during the next decade, Dean Scannell predicts.

"I think we will see some kind of national health insurance or similar legislation pass the Congress," he says. "Whatever form it eventually takes, it's bound to create tremendous changes in job opportunities and needs. And it will be implemented at the same time that a large

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Dr. Grubb

From the Trustee Docket

Dr. R.E. Grubb appointed as Senior Vice President

Dr. Richard E. Grubb, who has held several different administrative positions during 18 years of service to the University, has been promoted to senior vice president for administration, effective immediately.

The University's Board of Trustees approved the advancement of Dr. Grubb, the Board's associate secretary and vice president for administrative services.

Dr. Grubb succeeds Dr. Stanley O. Ikenberry, who became president of the University of Illinois on Sept. 1.

In recommending Dr. Grubb for the promotion, President Oswald noted that, over the last several years, he "has essentially served as Dr. Ikenberry's key assistant and has filled in for him on many occasions in a most effective manner."

"There is no question that he will bring great strength to the administrative team of the University and especially to his new areas of responsibility."

The senior vice president for administration, as one of the University's top officers, is primarily responsible for the operation of the non-fiscal, administrative services within the University, and for the relationship with its many external constituencies.

A recent review, said Dr. Oswald, has led to "minor administrative realignments that are effective with Dr. Grubb's appointment. These changes will help to serve the current needs of the University more effectively."

Three administrative units are being transferred from the Office of the Vice President for Student Affairs to the Office of the Senior Vice President for Administration. They are the Ritenour Health Center, including the Mental Health Center; the Office of Career Development and Placement; and the Office of Financial Aid.

"It is an advantage," said Dr. Oswald, "for these service units to be organizationally located with other essential administrative services of the University."

"This reorganization also permits the Vice President for Student Affairs, and the Provost, to whom he reports, to

concentrate further on the quality of student life and upon those programs that support and augment a student's total academic experience."

Under further realignment, Loren Furiado, director of planning and budget, will now report to Provost Eddy on planning matters and to Robert A. Patterson, senior vice president for finance and operations, on budget-related affairs. He previously had a reporting relationship to both Mr. Patterson and Dr. Ikenberry.

Dr. Grubb will maintain a staff relationship with the Office of the Special Assistant to the President for Governmental Affairs, which will continue to report directly to Dr. Oswald.

Offices that will continue to report directly to Dr. Grubb are:

Management Services, the Department of Publications, Administrative Records, the Assistant Secretary of the Board of Trustees, the Alumni Association, and the offices of Educational Relations, Gifts and Endowments, and Public Information and Relations.

Dr. Grubb's former position, as vice president for administrative services, will be eliminated.

The recommendations for Dr. Ikenberry's successor were made by an Internal Screening Committee, composed of members of the faculty and staff. In addition, an Ad-Hoc Committee of the Board of Trustees consulted with Dr. Oswald on his ultimate recommendation to the Trustees.

Dr. Grubb joins the six-member President's Administrative Policy Council, which also includes the President, the Provost, the Senior Vice President for Finance and Operations, the Provost of

(Continued on page 4)

Appropriation request receives approval

The Trustees approved submission of the 1980-81 State appropriation request which, according to President Oswald, addresses "only the most urgent financial needs of the University."

Included in this preliminary request was an increase of \$19.8 million over the 1979-80 appropriation. This amount is based on a 10 percent increase in the University's general fund budget which supports the basic educational programs of teaching, research and public service.

"Nearly all of this increase is related to inflation," Dr. Oswald said. "The University, like other educational institutions, public agencies and private enterprises, has been hard pressed to cope with the effects of inflation."

In presenting the budget, President Oswald emphasized that Penn State is well aware of the overall financial problems of the Commonwealth, and is doing its part to keep costs to a minimum. "The real

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Fall enrollment up

Fall Term enrollment at the University totals 53,680 students — a record high — according to preliminary figures announced to the Board of Trustees.

New enrollment records also were set for Penn State's Commonwealth Campus system, the Behrend College, the College of Medicine at Hershey and five individual Commonwealth Campuses. Dr. Robert E. Dunham, vice president for undergraduate studies, told the Trustees.

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Dean Scannell

Penn Staters

Dr. Robert Ginsberg, professor of philosophy at the Delaware County Campus, addressed the Fourth International Congress of Neo-Latin Studies last month in Bologna, Italy, on "Grotius and the Problem of War." He also spoke on "Contemporary Interpretations of Rousseau's Social Contract" at the Fifth International Congress on the Enlightenment, held in Pisa, Italy.

Dr. Michael Kiernan, associate professor of English, has been awarded a National Endowment for the Humanities-Huntington Library Fellowship to complete work on a critical edition of Francis Bacon's Essays that will be published jointly by Oxford and Harvard university presses.

Dr. John J. Romano, assistant dean for undergraduate studies and assistant professor of social science in Liberal Arts, recently returned from West Germany where he took part in a conference called "Germany Today," which was organized by Bonn University and supported by the West German government. Dr. Romano was one of 37 scholars from six countries asked by the Federal Republic of Germany to examine political, economic and cultural developments in the Republic since its inception 30 years ago.

Dr. Martin Quinn, assistant professor of English at the Beaver Campus, has been selected to serve as a Fulbright lecturer at Al-Azhar University, Cairo, Egypt, for 1979-80. Dr. Quinn lectures on 19th and 20th century American literature. During the past two years, Dr. Quinn served as a Fulbright lecturer at the University of Tehran, Iran. After the change in governments there, he was transferred to Egypt.

Dr. Richard L. Frantschi, professor and head of the Department of French, recently presented a paper at the Fifth International Congress on the Enlightenment in Pisa, Italy. The subject of his paper was a model for the quantification of narrative voice in Lesage's novel Gil Blas, with comparisons with other novels of the period for contrastive purposes.

Dr. Larry Gamm, associate professor of community development and chairman of the Center for Community Research, has been elected to a two-year term on the board of directors of the Community Development Society of America.

Dr. James D. Gallagher, director of the Worthington Scranton Campus, has been appointed to the Board of Directors of the Economic Development Council of Northeastern Pennsylvania.

Dr. Philippos Loukissas, assistant professor of urban and regional planning in the Man-Environment Relations program, presented a paper at the annual congress of the International Association of the Scientific Experts in Tourism, held recently in Varna, Bulgaria. The paper, "Environment/Behavior Training for Mid-Career Tourism Professionals," was developed in cooperation with Dr. Leo M. Renahan, assistant professor and head of the Food Service and Housing Administration program.

Paul Cerula, business manager at the Hazleton Campus, has been elected President of Can Do, Inc., a non-profit industrial development agency for the greater Hazleton area. This agency secures new industry for the area, and over the past 20 years some 7,000 new jobs have been created. Mr. Cerula also was elected to the board of directors of The Economic Development Council of Northeastern Pennsylvania.

Dr. Wasyli O. Luciw, head of the Slavic Library Program, was a visiting professor again this summer at the Ukrainian Free University in Munich, West Germany. He taught "History of Kievian Rus."

Dr. Rustum Roy, chairman of the Science, Technology and Society (STS) program and director of the Materials Research Laboratory, has been appointed editor-in-chief of a new international scholarly journal, *The Bulletin of Science, Technology and Society*, to be published by Pergamon Press.

The journal will use the open-review system by which a board of associate editors will review and communicate papers directly to the editorial office, to be situated in Room 202 Materials Research Laboratory under the direction of Kathleen Mourant, managing editor.

Dr. Daniel B. Litvin, associate professor of physics at the Berks Campus, was a visiting U.S. scientist with the department of physics at Technion-Israel Institute in Haifa, Israel, during July. Earlier this summer, Dr. Litvin was an invited participant in seminars at both the University of British Columbia and CUNY, City College, where he discussed "Wreath Products of Groups and Applications in Solid State Physics."

An exhibition of paintings and monographs by David Rubello, assistant professor of art, is being shown throughout September at the Alumni Gallery at Mansfield State College. The exhibition is supported by a grant from the Ford Foundation to the School of Visual Arts and a grant from the Institute for the Arts and Humanistic Studies.

Two University faculty members recently returned from Poland where they presented papers as invited participants in a conference on Technology and the Future of Society. They are Dr. Irwin Feller, professor of economics and director of the Institute for Policy Research and Evaluation, and Dr. Thomas Knight, associate professor of American studies and history and associate dean of the College of the Liberal Arts. Dr. Feller's paper was titled "A Comparative Systems Approach to the Diffusion of Innovations in the Public Sector." Dr. Knight's topic was "Toward a Methodology for Technology Transfer in International Affairs." The conference, held in Jablonna-Warsaw, was sponsored by the Institute for Philosophy and Sociology, Polish Academy of Science.

Dr. Marshall Wilcher, assistant professor of political science at New Kensington, delivered a paper, "Political Education in the United States," at a conference on Political Education in an Open Society. Sponsored by the European-Atlantic Movement, the conference was held at Oxford University in July.

Dr. Tom Yawkey, associate professor of education, gave seminars on child's play at the Children's Center, Athens, Greece, and delivered an invited research paper with Margaret Yawkey at the plenary session of the biennial Congress of the International Council for Children's Play in Paris, France. The paper was entitled, "The Effects of Play Training on Selected Cognitive and Affective Abilities of Five Year Old Children."

Dr. Margaret A. Newman, professor of nursing, has been designated an American Council of Nursing Scholar. Dr. Newman is the author of numerous articles and several books, including the recently published *Theory Development in Nursing*.

Dr. Gerald G. Johnson Jr., associate professor of computer science, recently presented a series of invited lectures in Hungary, West Germany, and the Soviet Union. His topics included "Computer Identification of Undetermined Powder Diffraction Patterns," "Image Processing," and "A Serious Look at Laboratory Automation."

Dr. James W. Kelz, professor of education and coordinator of the Rehabilitation Education Programs, has been appointed to the editorial board of the American Journal of Family Counseling. He was also elected to the Executive Board of the Pennsylvania Rehabilitation Association.

Appointments

Dr. Paul Axt, professor of mathematics, has been named director of the University Scholars Program, according to Dr. Robert E. Dunham, vice president for Undergraduate Studies.

The program, approved earlier this year by the University Faculty Senate, is designed to provide special opportunities for superior students.

As director, Dr. Axt will consult with Colleges and Campuses and will work closely with Dr. Dunham to define the program precisely and develop plans for its implementation.

The position is expected to occupy approximately half of Dr. Axt's professional time.

Dr. Axt has been active in Faculty Senate and department matters and served as head of the Mathematics Department from 1971-1975. He has been at Penn State since 1963 and before that was a faculty member at Michigan State University and Lehigh University.

He earned his bachelor's degree at Northwestern University and his doctorate at the University of Wisconsin.

Dr. Bruce M. Siegenthaler has been named research professor of speech pathology and audiology in the College of Education. A faculty member since 1951, Dr. Siegenthaler has served as professor-in-charge of the Speech Pathology and Audiology Program and director of the Speech and Hearing Clinic since 1964. As research professor he will concentrate on investigating hearing disorders and clinical audiology.

Dr. Siegenthaler has completed more than 70 professional articles and research projects and is a Fellow of the American Speech and Hearing Association. He holds B.S. degrees in industrial arts and mathematics from Bowling Green State University. His M.A. and Ph.D. in speech pathology and audiology were granted by the University of Michigan.

Three appointments to the Continuing Education staff of the College of Business Administration have been announced. Dr. Kenneth R. Graham, a lecturer in business logistics, has been named assistant director for Executive Programs. Shirley S. Hendrick, an instructor in the College, has been appointed academic coordinator for Continuing Education; and Albert A. Vicere, a doctoral candidate in higher education, is the new assistant to the director of Executive Programs.

Doan Harshbarger has been named Dean of Student Affairs at the Behrend College. Previously assistant dean and then acting dean at Penn State's Beaver Campus, he came to Behrend as assistant dean in 1978 and was made interim dean when Benjamin A. Lane left that post to head the admissions office at Behrend. Dean Harshbarger holds degrees from Drew University and the Hartford Seminary Foundation.

25-year chair

Wesley G. Houser, program chairman of the Electrical Design Engineering Technology Program and associate professor of engineering at the Capitol Campus, received his 25-year chair from the University recently.

After five years as senior engineer with the Philco Corp. in Philadelphia, Prof. Houser joined Penn State's Ordnance Research Laboratory at University Park in 1954. As a project engineer at the laboratory, he was involved in torpedo and underwater acoustic research programs.

He joined the Capitol Campus faculty in 1967, and was appointed head of its Electrical Design Engineering Technology Program in 1971.

Prof. Houser received his B.S. in electrical engineering in 1949 from Lehigh University and his M.S. in the same field from Penn State in 1958. He is a senior

Retirements



Juanita Thurman retired Sept. 1 after working for the College of Agriculture for 16 years. Ms. Thurman began her University career on Jan. 1, 1963, as a statistical clerk and remained at that position until her retirement. Her duties included working with various census materials and searching for working trends in Pennsylvania.

Mary E. Good, senior assistant librarian at Altoona, retired Sept. 1.

Ms. Good received her B.A. from Westminster College and her M.L.S. from the University of Pittsburgh. She taught history and music at Roaring Spring Elementary School and English at Claysburg-Kimmel High School before coming to Altoona in 1969. Her first position at the Altoona Campus Library was as professional assistant. She was promoted in 1973 to senior assistant librarian.

Stanley M. Sowa, a maintenance worker in the Wilkes-Barre Campus since Aug. 11, 1968, retired Sept. 8.

Obituaries

Helen M. King, a secretary in the College of Agriculture from 1924 until her retirement in 1967, died Sept. 12. She was 76.

Paul L. Edinger, professor emeritus of agricultural extension, died Sept. 19 at the age of 88.

Mr. Edinger graduated from Penn State in 1917. He became the first county agent of Cumberland County and served there for 12 years. In 1923, he took a leave of absence to study at Cornell University, and a year later received his M.S. in agricultural economics.

He was appointed to the faculty in 1928 as assistant director of agricultural and home economics extension and remained on the extension staff until his retirement in 1956.

Charles E. Watkins, a plasterer in the Office of Physical Plant from 1952 to 1979, died June 6. He was born April 10, 1917, in College Township.



member of the Institute of Electrical and Electronic Engineers and a member of Sigma Xi, honorary science society.

Viewpoint

To: The Penn State Science Community

An article in the Sept. 14 issue of *Science* (pp. 1108-1109) left several erroneous impressions, if only by implication, starting with the title, "Agricultural Network Fights Unwelcome Gift." No doubt there will be letters to the Editor in response; some of these may be equally biased on the opposite side of the issue, but hopefully a balanced, accurate picture can be presented overall. In any event, I felt that the research community of Penn State University deserved to be made aware of some relevant facts and to hear the perspective of the Pennsylvania Agricultural Experiment Station.

The article in *Science* and earlier publications by AAAS appear to present both sides of issues. However, by some direct statements, but more often by implication, several errors come through. I would especially like to address three major errors in the *Science* article. First of all, it is implied that Agricultural Experiment Stations are against basic research. Secondly, the article does not accurately state our position on competitive grants. Thirdly, by making the comment that financing "— traditional research at a steady level while increasing funds for competitive grants," the article implies that this certainly should be acceptable to Agricultural Experiment Stations.

We in the Agricultural Experiment Stations are not against basic research. Considerable variation exists among the states in the emphasis placed on basic research, reflecting in part the pressures exerted by state legislatures and constituencies, and the general pattern of science in total at each land-grant university. Of course, the purpose of Agricultural Experiment Stations dictates that the mix of research activities include a large percentage of projects which are aimed at solving specific problems.

Overall, research supported through the Pennsylvania Agricultural Experiment Station was recently classified 33% basic, 63% applied and 4% developmental. We fully appreciate that strong science disciplines are important components of agricultural research. Many of our projects are what has been called "mission oriented basic research," i.e., basic research techniques and approaches focused to seek solutions to real-world problems. Regardless of positioning on the continuum between basic and applied research, we must certainly strive for excellence in the quality of our science.

The National Agricultural Research, Extension and Teaching Policy Act of 1977 (Title XIV of PL 95-113) created the program within USDA for Competitive and Special (and Facilities) grants for agricultural research. However, it is clear in the minds of many persons responsible for the creation of this Act and clear from the dollar authorizations involved that competitive grants were to be additions or supplements to a continued strong formula (Hatch, McIntire Stennis and Title V Rural Development) funding program for the State Agricultural Experiment Stations (SAES). The dollar authorization levels in the Act are listed as follows:

Fiscal Year	
'78 '79 '80 '81 '82	
\$ Million	

Competitive Grants	20	35	40	20
SAES Research	125	145	170	195

Thus, the legislation clearly allowed for the two programs to increase proportionately in level of support.

The *Science* article correctly points out that attempts to cut formula SAES support while increasing funds for Competitive Grants has met considerable opposition. For most of us in the Experiment Stations, that does not mean we are opposed to competitive grants. Rather, we want to see the Act implemented as planned.

Furthermore, it is a grave injustice to imply that the Experiment Stations should be happy with "a steady level while increasing the funds for competitive grants." Inflation is real and actual costs

go up every year for programs of the same scope. We simply cannot maintain the same program on last year's level of funding. For the Pennsylvania Agricultural Experiment Station, over 80% of the formula federal funds are assigned to salaries. These funds must carry their proportionate share of salary increases. Thus, for FY'80, we need over \$225,000 more than for FY'79 simply to pay for salary increases. If we were to receive only a "steady level," we would have to terminate positions to yield the \$225,000 (plus enough more to compensate for inflated costs of materials and services purchased with the other 15-20% of formula funds).

We strongly believe that formula funds have certain inherent advantages and should be continued as the firm foundation for agricultural research. The advantages (as listed by Dr. H.R. Fortmann of this office) include:

1. Continuity, i.e., dependability of getting funds year after year permits you to build a staff and plan a program. This is the major part of the talent pool which can be marshalled to meet emergencies (crises). They constitute a talent pool available to apply for "grants."
 2. The staff spends most of its time, talents and energy planning and doing research, and only a modest amount of time prospecting for funds.
 3. Stable administrative units and staff can be molded into effective local, regional and national team efforts. The structure is there to do it.
 4. The independence and autonomy of the components of the SAES system is predicated on the continuing formula funds. This autonomy mitigates against stereotyping research and research programs. Research planning functions from the bottom up.
 5. Capacity to work on long term projects.
- and we would add:
6. Enables research attention to be directed toward the solution of very important state and local problems, many of which would never be top priority on a national grant-fund list.
 7. Effective research in the area of plants and animals is not something which can be turned off and on abruptly. Things such as new disease-resistant plant varieties and livestock efficiency break-throughs only come step by step through sustained efforts of dedicated researchers who have a clear long-term assignment to a specific mission.

On the other hand, Competitive Grant Programs provide mechanisms to enlarge efforts on a few key and emerging problems of high national priority. Such programs have the capacity to initiate a prompt response at the research level and to concentrate efforts at a significant level at a few competitively chosen locations. Furthermore, I strongly encourage our faculty members to pursue vigorously extra-mural sources of funding which will enhance our ability to carry out our mission.

We live in times which seem to reward continual change. We must be reminded that not all change is progress. Attacks on various "establishments" also are popular. Some of these so-called establishments, such as the Agricultural Experiment Stations and the related formula-funding Acts, are part of the very foundation which has enabled the United States to become the world leader in agriculture and food production.

While we must always strive for improvement on the course of our quest for truth and excellence, we also should remember what an old sage once said, "If it ain't broke, don't fix it."

B.R. Baumgard,
Associate Dean for Research and
Associate Director for the Pa.
Agricultural Experiment Station

Bookshelf

Dr. Luis Gonzalez-Cruz, associate professor of Spanish at New Kensington, is the author of a new book, *Neruda: De "Tentativa" a la Totalidad*, published by ABRA — Las Americas of New York.

Prof. Gonzalez-Cruz treats the text as a "poetic integration" or "whole." He analyzes the sources of the poem and the influences it received as well as its repercussions in Neruda's later works. He shows that *Tentativa of the Infinite Man* is "an early summa of essential aspects in the symbology and themes of Neruda's complete works" and its "original nucleus."

The first chapter of the book surveys themes, motifs, stylistic devices and important Nerudian symbols. Chapter two examines the female character and the autobiographical background of the poem. The third chapter analyzes the entire poem. The question of the work's unity (why it should be considered a "whole," a *todo* where essential aspects of Neruda's cosmivision are synthesized) is discussed in chapter four. The following chapter establishes what pre-Surrealist and Surrealist elements exist in the text and it considers, at some length, several clue poems by Rimbaud and Apollinaire which must have influenced Neruda deeply. The final chapter contains an assessment of the intention of this poem within the context of Neruda's works.

Luis F. Gonzalez-Cruz is the author of two previous books on Neruda, as well as of numerous scholarly articles and two books of poems.

Dr. Edwin L. Herr, professor and head, Division of Counseling and Educational Psychology is the author of *Guidance and Counseling in the Schools: Perspectives on the Past, Present, and Future*. The 242-page book, published by the American Personnel and Guidance Association, grew out of a federally funded project to study the status of guidance and counseling in the schools.

Over 500 counselors, counselor supervisors, counselor educators, educational administrators, and leaders representing the handicapped, minority students, parent-teacher associations, and allied professional fields were convened in ten regional and one national conference to provide data summarized in several parts of the book.

The book provides an analysis of historical and social factors affecting guidance and counseling in the schools, the contemporary status of such provisions, emerging directions in implementation and in professional preparation and standards, as well as a comprehensive treatment of unresolved problems and recommended actions.

Dr. Barnes W. McCormick, professor and head of the Department of Aerospace Engineering, is the author of a new textbook, *Aerodynamics, Aeronautics, & Flight Mechanics*, published by John Wiley & Sons, Inc.

The book is designed for undergraduate and graduate programs in aerospace engineering and as a reference for practicing engineers. It provides a single, comprehensive, in-depth guide to modern aerodynamics, aeronautics and flight mechanics.

Specifically, the work covers the fluid mechanics and aerodynamics of incompressible and compressible flows, paying particular attention to the prediction of the lift and drag characteristics of air foils and wings. Also covered is an introduction to propellers, piston engines and turbojet engines, along with methods for analyzing the performance of an airplane throughout its operating regime. Finally, static and dynamic longitudinal and lateral-directional stability and control are discussed, with emphasis on flying qualities.

Aerodynamics, Aeronautics & Flight Mechanics contains considerable data relating to currently operating airplanes and engines — including lift and drag data, stability derivatives, and engine

performance curves. Numerical methods are emphasized throughout, and many working graphics are included.

American Buddhism, the fourth book written by Dr. Charles S. Prebish, associate professor of religious studies, has been published by Duxbury Press in North Scituate, Mass.

The product of seven years of research, the book discusses Buddhism as an American religious phenomenon. It is divided into three parts.

Part One sets the historical context and cultural backdrop for the Buddhist movement in 20th century America. Part Two is a case study of eight well established Buddhist groups currently active on the American scene. Part Three discusses the future of Buddhism in America.

Dr. Audrey T. Rodgers, associate professor of English, is the author of *The Universal Drum: Dance Imagery in the Poetry of Eliot, Crane, Rothke and Williams*, published by the Pennsylvania State University Press.

Despite temperamental and artistic differences, each of the four major poets studied by the author was preoccupied with finding an order beneath the surface of visible things. Their choice of the dance as a source of life-affirming images was not accidental, according to Dr. Rodgers, since humanity's quest for cosmic order always has been expressed in dancing — "before words were and when words failed."

The book shows why and how the dance became central to the poets' perception of experience. All four found models in the poetry of Whitman and Yeats, both lovers of the dance. All four were sensitive to cultural movements, three of which were concurrent with their poetic development — the revitalization of classical ballet, the explosion of modern dance, and the "mythic renaissance" — a fresh exploration of myth and ritual by scientists and humanists alike.

The Universal Drum begins with an overview of the early 20th century intellectual and artistic crosscurrents which provided a congenial climate for the poets' experimentation with language, form and theme. This introduction is followed by detailed analyses of dance imagery in the poems of the four subjects of the book.

Promotions

Clerical

Deborah S. Ault to clerk, typist A in Earth and Mineral Sciences.

Rosalie A. Bailey to secretary C in Personnel Administration.

Wanda S. Bamberger to data prep. operator B in Management Services.

Paula K. Dunlap to data prep. operator B in Management Services.

Catherine J. Emanuel to clerk, typist A in Agriculture.

Meloyde K. Mashaly to clerk, typist A in Agriculture.

Marie S. Nellis to accounting clerk in Controller's Office.

Jeannette C. Parson to senior clerk in Library.

Dorlene S. Sharer to technical secretary C in Applied Research Laboratory.

Susan L. Webster to secretary C in Agriculture.

Kim N. Williams to secretary C in Engineering.

Ossie Williams to clerk A, catalog in Library.

Susan B. Witherite to data prep. operator B in Management Services.

Janice E. Yost to secretary B in Health, Physical Education and Recreation.

Technical Service

Charles M. Behter Sr. to seed service and agronomy technician A in Agriculture.

Trustee Docket

(Continued from page 1)



Dr. Prystowsky

Prystowsky named to Policy Council

Dr. Harry Prystowsky, provost of The Milton S. Hershey Medical Center and dean of the College of Medicine, has been named to a newly created seat on the President's Administrative Policy Council (PAPC), the top administrative advisory group to President Oswald.

University Trustees authorized the action.

"Dr. Prystowsky has been one of my most important advisers and a key member of the University administration since he joined Penn State in 1973," Dr. Oswald told the Trustees. "As a matter of practice, he has met on many occasions with this council, and his presence has been very helpful to its effective functioning."

Other members of PAPC include the University Provost, the Senior Vice President for Administration, the Senior Vice President for Finance and Operations and the Chairman of the Council of Academic Deans.

Dr. Prystowsky became provost and dean at Hershey in 1973. Previously, he was professor and chairman of the Department of Obstetrics and Gynecology at the University of Florida College of Medicine.

A nationally known medical educator, Dr. Prystowsky also has been on the medical school faculties at John Hopkins University and Yale University. He has been a visiting professor at New York University, the Universities of Alabama, California, Georgia, Iowa, Kentucky and Wisconsin.

WDFM policies approved

New policies and procedures governing WDFM, the campus radio station, have been approved by the Trustees.

"The new policy clarifies the responsibilities of the Trustees who hold the station's Federal Communications Commission license," Dr. Richard E. Grubb, newly named senior vice president for administration, told the Board. "The structure specifies the delegation of authority from the Trustees to the general manager of the station."

The Trustees have charged responsibility in order of succession to the president of the University, Dr. John W. Oswald; the vice president for student affairs, Dr. Raymond O. Murphy; and the general manager of the station, Michael Titterton.

In addition, governance of the station will be influenced by two advisory boards, the Policy Advisory Board and the Community Advisory Board.

The Policy Advisory Board will include students, faculty and one member of the administration. Members will advise the general manager of the station.

The Community Advisory Board will consist of members of the listening audience and will advise the Vice President for Student Affairs.

Human Development reorganized; interim dean named

An administrative reorganization in the College of Human Development has been announced.

"The remarkable growth of the College during the past decade, the changing characteristics of higher education and the changing needs of society have necessitated a reworking of its organizational structure," Provost Eddy informed the Trustees.

The eight academic programs in the College will be organized into two academic divisions, Dr. Eddy said, replacing the four-division structure that has been in operation since the College's inception in 1968. The two new divisions are:

- The Division of Individual and Family Studies, Nursing, and Nutrition, which incorporates the baccalaureate programs in these areas, as well as the graduate programs in Human Development and Family Studies, Nursing and Nutrition.

- The Division of Community Systems and Services Planning, which incorporates baccalaureate programs in Health Planning and Administration (HPA), Community Development (Com.D.), Administration of Justice (Adm.J.), Food Service and Housing Administration (FSHA), and Man-Environment Relations (MER).

The latter Division also offers graduate programs in Community Systems Planning and Development (including specializations in HPA, Com.D. and Adm.J.) and Man-Environment Relations (including specializations in FSHA and MER).

Power Plant will get emission control system

A particulate emission control system, designed to make the University's West Campus Power Plant comply with applicable air pollution laws, will be built under terms of a consent decree between the University and the State Department of Environmental Resources.

Penn State Trustees approved the terms of the consent decree.

Under the agreement, the University will build a "bag house" to remove particulates from the emissions of boilers 1, 2, 6 and 8.

This will bring the plant into compliance with federal and State law and also will permit us to burn coal exclusively, resulting in considerable fuel cost savings," Robert A. Patterson, senior vice president for finance and operations, said.

Currently the power plant attempts to meet clean air standards by burning a mixture of coal, oil and natural gas.

Mr. Patterson said Penn State is seeking \$7 million in a capital program request to pay for the new facility.

American Indian Education Policy Center is established

An American Indian Education Policy Center has been established in the College of Education.

"Establishment of the Center is based on nine successful years of experience by the College of Education in conducting a graduate training program for Native American school administrators," Provost Eddy reported.

Dr. Grayson Noley, a Choctaw Indian, will be director of the Center. He is also director of the Native American Graduate Program in Education.

Dr. Eddy said the Center would "serve as a catalyst" for scholarly work in American Indian studies within education and social-behavioral science disciplines.

The Center will conduct research on government and tribal education policy development and will coordinate training programs for leadership personnel in American Indian Education.

Since 1970, the Native American Graduate Program in Education at Penn State has enrolled approximately 100 students in master's or doctoral degree programs.



Evan Pattishall

Dr. Evan G. Pattishall Jr., associate provost for health education and professor and chairman of the Department of Behavioral Science at Penn State's College of Medicine, has been named interim dean of the College of Human Development, effective Oct. 1.

Dr. Pattishall joined Hershey's faculty in 1966 to form a Department of Behavioral Science as a basic biological science that has become a model for medical schools throughout the nation and the world.

From 1962 until 1966, he served as associate professor of psychiatry and psychology and chief of the Division of Behavioral Sciences at the University of Florida. Prior to that he was on the faculties of the University of Virginia and Appalachian State College.

He also has been a research psychologist in the Office of Naval Research and an instructor in educational psychology at the University of Michigan.

A native of Richmond, Va., Dr. Pattishall has an unusually diverse educational background. After attending Davidson College as a premedical student, he interrupted his schooling to serve as a Navy officer in the Pacific Fleet during World War II.

After the war, he earned bachelor's and master's degrees in music from the University of Michigan. In 1951, he was awarded a doctorate in educational psychology from Michigan.

In 1958, he interrupted his teaching career to enroll at Western Reserve University, where he earned the doctor of medicine degree in 1962.

Dr. Pattishall has written widely in the field of behavioral science and medical research, and his articles have been published in numerous professional journals.

Enrollment up

(Continued from page 1)

"In addition, University Park experienced its best year ever in freshman admissions," Dr. Dunham said.

"The Commonwealth Campus enrollment is a record 16,772, another indication that this system is doing its primary job of serving the higher education needs of communities around the State."

Dr. Dunham said enrollment records were set by the Allentown Campus (415 students, up 17.9 percent); Altoona (1,797, up 9.3); Hazleton (1,030, up 8.5); Ogontz (2,153, up 5.6); and York (955, up 14.1).

Behrend College enrollment is a record 1,825, an increase of 299 over last year, and the College of Medicine is up by 52 students to a record 556.

Enrollment at University Park totals 31,792.

Since all figures are preliminary, most probably will be slightly higher when final tabulations are completed later this year, Dr. Dunham said.

Dr. Grubb

(Continued from page 1)

The Milton S. Hershey Medical Center, and the Chairman of the Council of Academic Deans.

A Penn State employee since 1961, Dr. Grubb has been vice president for administrative services and associate secretary of the Board of Trustees since 1971.

Dr. Grubb, a long-time resident of State College, is a graduate of State College High School and received his bachelor of science degree in agricultural economics and rural sociology from Penn State in 1958. He also holds an M.S. in agricultural economics and a doctorate in higher education from the University.

After joining the Penn State staff as a Continuing Education Conference Coordinator in 1961, Dr. Grubb occupied positions of increasing responsibility.

He became deputy assistant director of Continuing Education in 1965 and a year later was named administrative assistant in the office of the president and assistant secretary of the Board of Trustees.

Following a leave of absence to complete his doctoral dissertation in 1970, Dr. Grubb returned as a special assistant to the president prior to being named a vice president.

Dr. Grubb is chairman of the University Computer Advisory Committee and the University Systems Advisory Committee and has served on various ad hoc advisory and search committees.

New option is offered

A new two-year program in surface mining, leading to an associate degree in mining technology, has been established at the University. Trustees were informed.

The new "surface mining option" is designed to provide more and better trained people for the surface mining operations, which produce over half the coal mined annually in Pennsylvania.

The first year of the new surface mining option will be offered at the University's Altoona, Fayette, New Kensington, Hazleton, Schuylkill, Wilkes-Barre and Worthington Scranton Campuses. The final year will be offered only at Altoona, the campus closest to the state's largest concentration of strip mines. These are found in Clearfield, Jefferson, Indiana, Armstrong and Clarion Counties.

Unique Associate Degree program is established

To meet a rapidly growing need for experts in a burgeoning field, the University's Wilkes-Barre Campus now offers a two-year Associate Degree in Telecommunications Technology.

The Trustees were informed of the new degree, believed the first of its kind in the nation. Texas A&M University offers a four-year telecommunications program, designed to train engineers and technicians for careers in telecommunications equipment technology.

"Penn State's new program is expected to graduate about 20 telecommunications technologists in 1981," said Provost Eddy. "Together with the 20 new graduates annually from Texas A&M, these experts will barely begin to meet the needs of an industry which is rapidly expanding because of exploding technology."

The new degree, offered as an option under the existing Electrical Engineering Technology major, will provide both new technologists and increased training for industry personnel. The program will expand current cooperation between the University's College of Engineering and its Wilkes-Barre Campus, on the one hand, and nine Pennsylvania telephone companies.

The telecommunications industry has pledged to support the new program, with funds and equipment.

Mandatory retirement age raised from 65 to 70

The raising of the University's mandatory retirement age from 65 to 70 was given Trustee approval.

The action brings the University into compliance with a 1978 federal law that prohibits mandatory retirement before age 70.

Exceptions are tenured employees, for whom the mandatory age, by federal exemption, will continue to be 65 until June 30, 1982, and certain executives, whose retirement age will remain 65 indefinitely. Exceptions in the latter category may be granted in the interests of the University.

Under the new Penn State policy, the mandatory retirement will be on the day after the last examination day of the academic term in which an employee's 70th birthday occurs, or the day after the birthday if it occurs between terms.

Giving to University rose 29.5% last year

Gifts received by the University during the year ending June 30, 1979, totaled \$10,302,772, a 29.5 percent increase over the \$7,954,930 contributed to Penn State the previous year.

Some 42,458 gifts were received from private sources in 1978-79.

President Oswald reported to the Board that alumni and friends of Penn State contributed \$3,267,406 for the year, up 14.3 percent from the \$2,858,437 contributed the previous year.

Also in 1978-79, corporations and businesses contributed more than \$3.3 million, while foundations and organizations gave more than \$2.5 million.

Most gifts — more than 97 percent — are restricted to special purposes specified by the donor. Student aid and enrichment of the educational programs of the Colleges are two major areas that receive support. The undesignated contributions are allocated to a limited number of special projects by the Board of Trustees.

Engineer to be retained for Shaver's Creek study

The University will retain an engineer to study conditions at the Shaver's Creek Dam at the Stone Valley Recreation Area.

"An inspection in April indicated that the dam fails to meet some requirements of the 1978 National Dam Inspection Program," Ralph E. Zilly, vice president for business, told the Board Committee on Physical Plant.

The inspection was carried out for the U.S. Army Corps of Engineers and recommendations for survey, analysis and monitoring came to the University in a letter from the Pennsylvania Department of Environmental Resources.

"In order to develop the necessary response to the Department of Environmental Resources, the services of a dam specialist will be employed to study conditions at Shaver's Creek," Mr. Zilly said.

The Department recommended a detailed analysis of the dam be undertaken to determine accurately the volume of water that could be handled by the spillway in the event of flooding.

Seepage and wet areas below the dam were also noted. The inspectors suggested that a study of the wet areas be undertaken "to indicate the need for further analysis."

It was also suggested that the University improve access to the dam so that it may be reached during periods of flooding and that regular monitoring of the spillway will be developed to check for movement.

The development of a warning system, including round-the-clock surveillance during periods of unusual rainfall and formulation of emergency procedures, was also urged.

Penn State was also directed to develop an annual inspection program for the dam, with 1980.

Board of Advisors named for Capitol Campus

The Capitol Campus has organized a Board of Advisors, with Ralph Peters, a Camp Hill businessman, serving as chairman.

"The willingness of these outstanding community leaders to join the University's work in the Greater Harrisburg area is a firm indication that they share our perception of the exciting prospects the Capitol Campus offers for both the University and south-central Pennsylvania," President Oswald commented.

Dr. Oswald noted that Dr. Theodore L. Gross, provost and dean of PSU/Capitol, was most instrumental in getting the Board of Advisors organized.

At the Capitol Campus, located in Middletown, Dr. Gross said that the Board of Advisors is "a remarkable group of talented and dedicated individuals. In accepting this responsibility, they have expressed a commitment to PSU/Capitol and Central Pennsylvania which promises a new and exciting relationship between the University and the community."

Mr. Peters is the president of Berger Associates, a Camp Hill Engineering firm.

His lifelong commitment to Central Pennsylvania has seen him in leadership roles with the United Way, the Chamber of Commerce and University Center among other institutions.

Other advisors named are:

Jeannette Alexander, a civic leader in Harrisburg; Judge Genevieve Blatt, Commonwealth Court of Pennsylvania; Charles E. Boyer, president, Lower Swatara Township Board of Commissioners; Edward R. Book, president, HERCO; Bruce D. Brenner, president, AMP, Inc.; Joseph E. Cooper, Harrisburg attorney; Paul E. Doutrich, Jr., mayor of Harrisburg.

Thomas J. Fleming, plant manager, Fruehauf Corp.; Maurice K. Giddard, former secretary, State Department of Environmental Resources; John O. Hershey, president and chairman of the board Milton Hershey School; Lee Javitch, president, Giant Food Stores, Inc.

Clifford L. Jones, secretary, State Department of Environmental Resources; Saul Kohler, executive editor, The Patriot-News Co.; Wilson Lewis, chairman of the board, Dauphin Deposit and Trust Co.; John E. Minnich, chairman, Dauphin County Board of Commissioners.

Gilbert Nurick, Harrisburg attorney; Sandra Osler, a civic leader from Wormleysburg; Sheldon Parker, general manager, Pennsylvania Public Television Network; Robert G. Reid, mayor of Middletown; James R. Rowland, Harrisburg attorney; Dr. Donald Spigner, medical director, Hamilton Health Center, Inc.

Bishop Dean T. Stevenson, Episcopal Diocese of Central Pennsylvania; John C. Tuten, chairman of the board, National Central Bank; John Vartan, president, Vartan Associates; and Judge Roy Wilkinson Jr., Commonwealth Court of Pennsylvania.

Mr. Peters noted the significant influence of Ohio State University on Columbus, and of the University Park Campus of Penn State on State College. "It is the job of this board," he said, "to help Ted Gross create that kind of atmosphere with PSU/Capitol."

"A vital and growing Capitol Campus of Penn State will bring outstanding speakers to this community and serve as a center for cultural activities," said Mr. Peters. "The University sponsors, and the community benefits."

Recent months at Capitol have seen the creation of a local Alumni Association, the beginnings of major fund-raising and development efforts, administrative reorganization and several appointments of new personnel.

The Board of Advisors will be participating in many of those efforts and will also be working on the creation of a five-year master plan for the Campus, planned physical alterations, and the expansion of academic programs, especially on the graduate level.

Capitol library to be named for Richard H. Heindel

The Library Area in the Olmsted Building and the Library Annex at Capitol Campus will be named the Richard H. Heindel Library in honor of the world-renowned authority in international relations.

"It is fitting that a research center be named for a man like Richard Heindel, whose scholarship and dedication to learning brought so much glory to himself and to Penn State," President Oswald said.

Dr. Heindel was the first dean of faculty at the Capitol Campus. He joined Penn State in 1967 as professor of international relations and dean of faculty, positions he held until 1973 when he decided to return to full-time teaching and research. Named professor emeritus of international relations in 1977, Dr. Heindel died July 31, 1979.

Architect to be appointed for Hershey addition

Trustee approval was given to the appointment of an architect to prepare plans for construction of an estimated \$10 million addition at The Milton S. Hershey Medical Center.

The proposed facilities would provide office and research laboratory space for faculty in the College of Medicine's clinical departments, which have become overcrowded in recent years due to the medical school's rapid enrollment growth, according to President Oswald.

"The College of Medicine's space was built to handle 256 medical students and the enrollment is now 388," Dr. Oswald said. He pointed out that the opening of the Basic Sciences Cancer Research Wing in 1974 provided additional space for basic science faculty, but that clinical faculty have been crowded into existing office and laboratory spaces and that temporary quarters have had to be set up in conference rooms and lobby areas.

"The new facilities also will permit the rounding out of academic programs in both undergraduate and graduate medical education in subspecialties in which the medical school has had limited or no faculty to date."

The project would add two bays to the east end of the crescent-shaped front of the Medical Center as provided for in the long-range design prior to its construction. Expected to be completed by the Fall of 1982, the addition will consist of nine floors, seven above ground, providing 32,650 square feet.

All funds to be used for employment of an architect, planning, and subsequent construction of the addition will come from a combination of a federal grant for this purpose, and from funds generated at the Medical Center. These funds are available only for use at the Medical Center. No State funds or student tuition funds are involved in the financing of the project.

Hershey affiliation agreement approved

Affiliation agreements between the University's College of Medicine and Morsour Medical Center in Jeannette and Oil City Hospital have been approved by the Board of Trustees.

Under the pact, medical students will be able to choose these hospitals for elective clinical clerkships, and a variety of hospital staff members will be able to attend co-sponsored continuing education programs.

Morsour Medical Center and Oil City Hospital become the 15th and 16th hospitals with which the Medical Center has affiliations.

Physicians from these institutions who make significant contributions as volunteer teachers of medical students will receive clinical appointments to the Penn State College of Medicine faculty. Both the University and these institutions will note their affiliation in their publications.

Office of Vice President for R&GS to reorganize

The Office of the Vice President for Research and Graduate Studies will be reorganized effective Oct. 1.

The purpose of the reorganization is to consolidate administrative responsibilities," Provost Eddy informed the Trustees, adding that the reorganization plan was initiated and coordinated by Dr. Richard G. Cunningham, vice president for research and graduate studies.

Dr. Forrest R. Remick, assistant to the vice president for research and graduate studies and director of the Institute for Science and Engineering, will be promoted to assistant vice president for research and graduate studies and director of Intercollege Research Programs and Facilities.

Dr. Remick, a professor of nuclear engineering, succeeds Dr. Harry D. Zook, professor of chemistry, who will retire Sept. 30.

With the promotion of Dr. Remick, the position of assistant to the vice president will be abolished. The same position had been held by Dr. George P. Barron, who retired earlier this year.

In addition, the designation of the "Institute for Science and Engineering" will be abolished. Its component research and service units will remain intact, but will be administered collectively with the life sciences, social sciences, arts and humanities units in the Intercollege Research and Service Facilities program.

The Center for Study of Environmental Policy will be discontinued on Jan. 1, 1980, Dr. Eddy said. Environmental and energy-related policy issues will be handled through the Institute for Policy Research and Evaluation.

The Office of the Vice President for Research and Graduate Studies provides general administrative supervision of Penn State's organized research activities. Aside from coordinating and strengthening research programs, the Office is responsible for:

- Administering and coordinating the organized research units composing the Intercollege Research Programs, including the establishment, modification and termination of units;

- Coordinating research policies and research facilities with the dean of the Graduate School in the planning and operation of graduate programs;

- Working with the University Faculty Senate Committee on Research in assessing research organizations and activities;

- Processing academic programs and proposals from the University to prospective sponsors and negotiating the resulting grants and contracts;

- Coordinating reallocation of resources in support of research and graduate studies; and

- Integrating intercollege research units with research and graduate programs in typical college disciplines.

Cooperative Extension to fill 33 vacancies

The University will use 87 percent of \$1 million in supplementary Cooperative Extension funds for direct program costs.

President Oswald informed the Board that the bulk of the funds will be used to fill 33 vacant positions in the Cooperative Extension Service. Only 13 percent will be used for associated indirect costs, such as administrative expenses, Dr. Oswald said. The State provided the supplementary money as part of Penn State's 1979-80 appropriation.

The University operates the Cooperative Extension Service for the State. Through offices in local communities, it provides information and education on everyday problems. About two million Pennsylvanians — one out of every six people in the State — use the Extension Service each year.

News in brief

(Continued from page 1)

PR workshop slated for University employees

The University will sponsor a public relations workshop from 1:15 to 3:45 p.m. Monday, Oct. 1, in Room 112 Kern Building. The workshop is designed for public contact employees who were unable to attend the two similar sessions in August.

The objectives of the workshop are to acquaint public contact employees with good public relations practices and to teach them how to be more responsive to people who approach them for information and assistance. Speakers and topics will include:

- University President John W. Oswald, on "Good Public Relations is Everybody's Business."
- Dennis W. Keiser, coordinator of employee and management development, on "Importance and Treatment of Our Customer — Student Body, Outside Public," and on "Review of Some University Practices and Procedures in Telephone Communications."
- Regina Euker, educational consultant for Bell Telephone, on "You and Your Telephone."
- Arthur V. Ciervo, director of public information and relations, on "Ten Commandments of Good Public Relations."

University employees interested in attending should contact their personnel representatives immediately.

Insurance may be changed

Since 1964, the University has offered a voluntary plan for accidental death and dismemberment insurance to all regular faculty and staff members. The plan provides optional amounts of insurance ranging from \$10,000 to \$150,000 and also provides accidental death and dismemberment coverage for dependents.

The month of October is the period when membership or coverage in this plan may be changed. One or more of the following actions may be taken during the month: (1) change the dollar amount of insurance coverage; (2) change from individual coverage to family coverage or vice versa; (3) enroll in the plan as a new member; (4) withdraw from the plan.

To accomplish any of the above changes, obtain a VADD enrollment card from your personnel representative or business manager, complete and send it to the Employee Benefits Division, Room 133 Willard Building, by Oct. 31, 1979. All changes received by that date will become effective Nov. 1, 1979.

If you wish to check your present coverage, examine the section of your paycheck stub marked "VADD." The deduction will indicate the amount of coverage you have.

Coverage	Monthly Deduction	Biweekly Deduction
\$ 10,000	\$.41 single \$.63 family	\$.19 single \$.29 family
\$ 25,000	\$1.03 single \$1.58 family	\$.48 single \$.73 family
\$ 50,000	\$2.05 single \$3.15 family	\$.95 single \$1.45 family
\$100,000	\$4.10 single \$6.30 family	\$1.90 single \$2.90 family
\$150,000	\$6.15 single \$9.45 family	\$2.85 single \$4.35 family

If you are unable to check in this manner, information about your coverage may be obtained from the Employee Benefits Division.

No action is needed to continue your current coverage without change.

What's in a name?

The office secretaries have solved the problem of how to answer the telephone for the recently formed Department of Microbiology, Cell Biology, Biochemistry and Biophysics.

They call it MC — 38.

Club will hold reception

The Faculty Women's Club will hold its annual Fall Reception tonight (Thursday) from 7:30 to 9:30 p.m. at the Kern Graduate Center. All faculty women and wives of Penn State faculty and staff members are invited. Those attending will be able to sign up for various interest groups sponsored by the Club.

New phone numbers listed

The telephone number for the Office of the University Registrar has been changed. Each section within the office has been assigned its own number, and direct dialing to the desired section will permit faster access.

The new section numbers are: Registration, 863-1918; Scheduling, 865-6571; Records, 865-6357; Transcripts, 863-1923; and Registrar, 863-1913.

Computation Center offers workshops and seminars

The Computation Center is offering a series of workshops and seminars on four different topics. Persons wishing to attend need not register, and there is no charge for instruction. Topics are:

1) A Practical Look at Computer Arithmetic: A Tutorial, Tuesday Oct. 2, at 2:30 p.m. in Room 110 Computer Building. This is an applied tutorial dealing with some of the properties, consequences, and practical tips associated with finite precision computer arithmetic. The purpose of this presentation is to help people who work with computers or computer output to avoid or detect algebraically wrong answers related to the limited precision of computer arithmetic. Class size is limited to 30.

2) Introduction to the Computation Center. This will be offered at two different times, first at 12:45 p.m. on Oct. 3 and again at 11:10 a.m. on Oct. 4, both in Room 110 Computer Building. This seminar will give an overview of the Center's services and procedures, covering the basic concepts of the IBM 3033 computer and the Operating System (OS/370 MVT). A tour of the Center will also be made. Class size is limited to 30.

3) APL. Six sessions at 7:30 p.m. in Room 108 Forum Building on Oct. 8, 11, 15, 18, 29 and 31. APL is an interactive programming language. The seminars will not assume or require any previous computer experience, but those who do have such experience may find that APL can offer an alternative. Prospective attendees should have the use of a research or course preparation account, together with an APL user identification (These may be obtained in Room 229 Computer Building).

Much discussion has centered around APL and its use, and many claims have been made that it greatly increases programming productivity. As an aid to people considering the use of APL, the following guidelines appear to form a consensus:

APL is not appropriate for applications which have

- a) a very high data transfer volume (e.g. merging large jobs)
 - b) a high run frequency with few or no changes (e.g. payroll)
 - c) large main storage requirements
- APL is appropriate when
- a) requirements are uncertain and/or changing
 - b) a high degree of interaction with the user is necessary
 - c) developing a proto-type of a production program

4) JCL. Six sessions at 7:30 p.m. in Room 112 Walker Building on Dec. 3, 5, 10, 12, 17 and 18. Concepts and facilities of the IBM operating system will be covered, and an overview given of the techniques for storing and transferring data when using magnetic tapes, disks, etc. JCL is the language used by the operating system to manage jobs and data, and it provides a great deal of flexibility in manipulating files of data. Prospective

attendees should have a background equal to at least one introductory programming course.

Persons wishing further information about any of the above programs should contact Lisa Jodon, 863-0422.

C-account applications must show authorization

Effective Monday, Oct. 1, it may be necessary for a faculty member applying for a computer C-account to show on the application an authorization amount approved by a representative of the Dean's office in the area in which the course is offered.

A C-account may be established to provide access to Computer Center services for course preparation by faculty members and their teaching assistants. It is expected that a C-account will be applied for only in connection with courses and sections actually included in the teaching assignment of the faculty member. The C-account is not a substitute for an I-account for actual student instructional use, nor is it to be used as a substitute for special I-accounts using interactive systems such as APL and RJE.

The C-account is valid for a particular section of a given course taught during a specific term. Generally, a C-account may be opened by the senior faculty member responsible for a particular course section no more than one term in advance of the term the course is offered. It remains open until the conclusion of the specific term in which the course is taught, unless closed by request or overdraw. A C-account may not be renewed, but the authorized amount may be increased with the approval of the Dean's representative.

The following individuals are the Deans' representatives for authorizing C-account use after Oct. 1: Agriculture — R.F. Hutton; Arts and Architecture — W.H. Allison; Business Administration — P.H. Rigby; Capitol Campus — J.T. Redington; Earth and Mineral Sciences — A. Muan; Education — H.E. Mitzel; Engineering — W.G. Braun; Health, Physical Education and Recreation — K.G. Stoedeker; Human Development — D. Brassington; Intercollege Graduate Degree Programs — E.H. Ludwig; Liberal Arts — T.F. Magner; Medicine — P.J. Campbell Smith; Radnor Center for Graduate Studies and Continuing Education — H.E. Weber; Science — L.N. Zimmerman.

Commonwealth Campus faculty should submit C-account applications to the Dean's representative in the college having cognizance over the course to be taught.

Dylan talk is Monday

Prof. Christopher Ricks, a faculty member at Christ College, Cambridge University, will speak on "Bob Dylan and Poetic Tradition" at 8 p.m. Monday, Oct. 1, in Room 103 Chambers Building.

Prof. Ricks has written extensively on Keats, Milton, Tennyson and other poets. His talk is sponsored by the English Department.

'Pivot' is on sale

A new edition of *Pivot*, a "little magazine" of poems published annually in State College, is now at State College bookstores. This issue is the 29th published by editor Joseph L. Grucci.

Mr. Grucci started the magazine in 1951 when he was teaching English and conducting a poetry workshop at Penn State. He was a member of the faculty from 1950 until his retirement in 1974.

Movement education program for children begins Oct. 2

A program of basic movement skills, educational gymnastics and games will be sponsored by the College of Health, Physical Education and Recreation for children in kindergarten through third grade.

The program will be held on Tuesdays

from 4 to 5 p.m., beginning Oct. 2 and running through Nov. 6, in Room 126 White Building. Registration will be Oct. 2 at 3:45 p.m. in the White Building lobby.

Classrooms to be locked after 5 p.m. daily

University Park classrooms are being locked after 5 p.m. daily to facilitate cleaning and to conserve energy, the Office of Physical Plant has announced.

Rooms will be opened only for activities scheduled through the University Scheduling Office. Evening reservations can be made at Room 110 Shields Building or by calling 865-6571. Requests should be submitted at least 24 hours in advance.

A Senate Report

Editor's Note: Below is the text of a legislative proposal to be debated at the Oct. 2 Senate meeting.

Background

The request for delegation of responsibility for curricular affairs for The Pennsylvania State University College of Medicine, The Milton S. Eisenhower Medical Center, was made to the Senate Chairman following approval by the Faculty Organization and administration of the College of Medicine. The Senate Chairman referred the request to the Intra University Relations Committee.

Request

"The authority for course approval for those courses taken by medical students in the Medical Curriculum (700-level courses) shall be vested within the College of Medicine."

Rationale

The Pennsylvania State University College of Medicine is the only College of Medicine with The Pennsylvania State University System. It is authorized to train medical doctors by the American Association of Medical Colleges and its curriculum, clinical facilities, research programs and so forth are regularly surveyed that group for purposes of accreditation. At the present time, full accreditation has been granted for the next seven years.

Curricula and grading represent an integral component of that accreditation. Because of the special nature of medical education and training requirements, it is difficult for members of other disciplines to evaluate courses (both need and quality) required in a Medical School. For this reason, it is proposed that a Committee of the Medical College be established to evaluate both curricula content, new and revised programs and other matters dealing with the education of premedical physicians. This committee would be the Associate Dean for Education of the College of Medicine, who would present them to the Provost and Dean of the Medical Center.

In an effort to comply with current University policy and to prevent confusion, it is proposed that courses restricted to medical students be listed in a series starting with the number 700. All graduate courses will require review by the Graduate Council prior to implementation (as in the past).

The major intent of the proposal is to operate within The Pennsylvania State University system taking into consideration the special needs and problems of medicine and the requirement for continued involvement of the Graduate Council to maintain the quality of the graduate programs established at the College of Medicine.

The Senate Committee on Intra-University Relations approved the request at its meeting Sept. 11, 1979.

Recommendation

"The Senate Committee on Intra-University Relations recommends that the following be added to the Senate Bylaws, Article VII, as Section 4:

THE FACULTY OF THE COLLEGE OF MEDICINE, AS REPRESENTED BY THE FACULTY ORGANIZATION OF THE COLLEGE OF MEDICINE, IS DELEGATED RESPONSIBILITY FOR THE APPROVAL OF COURSES AND THEIR CONTENT TAKEN BY MEDICAL STUDENTS IN THE MEDICAL CURRICULUM (700-LEVEL COURSES). THIS DELEGATION OF RESPONSIBILITY IS SUBJECT TO REVIEW BY THE SENATE. THE REVIEW PROCESS SHALL INCLUDE THE SUBMISSION OF ALL 700-LEVEL COURSES TO THE CURRICULUM REORDER FOR INCLUSION ON THE CURRICULAR AFFAIRS BLUE SHEETS AND WILL BE SUBJECT TO THE SAME HOLD AND APPROVAL PROCEDURES AS THOSE LISTED IN THE CURRICULAR AFFAIRS PROCEDURES GUIDE.

The '80s challenge

(Continued from page 1)

percentage of our population is aging and thus requires more medical assistance."

As the demands on physicians and health facilities grow, higher education will be called on to produce graduates with the expertise to make the system work, Dean Scannell points out.

Computer-trained health specialists will be needed, for example, to cope with the explosion in medical record keeping resulting from any national health care plan. Countless technologists will have to be prepared to operate increasingly complicated medical equipment.

Dean Scannell foresees new program opportunities in such areas as physical therapy, X-ray technology or radiation therapy. "We will need to develop the flexibility to regroup faculty to offer these programs without loosening their essential ties to their disciplines," he notes.

Overall, Dean Scannell believes HPER enrollments will stabilize in the '80s — "I don't see us being any better or worse off than the University as a whole." But the same exercise boom that is benefiting the College's academic programs is also creating problems in another area for which HPER has responsibility — intramural programs.

Anyone who has tried to get a squash court at the noon hour or to run on the Rec Hall track on a rainy day knows that these facilities are being used to capacity. "We have intramural basketball tournaments scheduled every hour of every night Rec Hall is open," Dean Scannell says. "The only thing we can do is to try to give everyone access — but to give them less time. I don't think the pressure is going to abate; it's a societal condition."

Nor do the pressures in intercollegiate sports — the College's third area of responsibility — seem likely to lessen. "We are really going to have to struggle to keep things in balance," Dean Scannell says. "Between the media and public interest, it's harder and harder to keep

things in proportion.

"Somehow we have to continue to make our players realize that they are here primarily for an education and that only one in a thousand is going to make it in professional sports. But unless you're deliberately going to downgrade your programs, the only thing I know to do is to ride the phenomenon and capitalize on it so that you can offer creative opportunities to all the students.

"We're walking a tightrope, and it won't be getting any easier in the next decade. Ten years ago you used to have freshman athletes with national potential sitting in a classroom, and no one knew who they were. Today they're identified before they even enroll. If a student-athlete flunked out, it was between him and his professors. Now such cases are national news."

Dean Scannell hesitates to predict whether the same sports that are drawing crowds today will be as popular ten years hence.

"Public interest changes," he notes. "We got into gymnastics ten years before television had developed the fans' interest in the sport. I would expect volleyball to become increasingly popular during the next four to five years because kids are growing up with it now. It's the same thing that we're seeing in soccer. Our team is drawing as many as 5,000 spectators to Jeffrey Field. It's the result of the biddy sport programs which have sprung up all over the country. They're bigger than Little League in many communities, and they're even replacing sandlot football."

One major change Dean Scannell is willing to predict for the next decade is "a decline in the novelty of women's teams."

"The opportunity for women is going to be there, and they're going to develop a following," he says. "Women gymnasts are taken for granted now, and that will also happen in sports like basketball."

"I think the public will accept the fact that the players are all students and that there really isn't that much difference between women's and men's teams."

On the income side, said Dr. Oswald, the plan "includes an average 5 percent tuition rate increase for all students, except doctor of medicine students, for whom tuition rates are already at the \$5,550 level. This budget plan recognizes the probable need for a modest tuition rate increase, while, at the same time, attempting to bring into better balance the contribution of students and the State."

Among the considerations in the proposed budget are:

- No significant change in size or mix of enrollment is anticipated in the 1980-81 year.
- Nearly entire emphasis on the proposed budget is placed on provisions that cope with the rapidly escalating rate of inflation, which affects the goods and services which the University must purchase. The budget seeks to:
 - Provide essential salary adjustments for employees. Any salary adjustments will conform with Federal Wage and Price Guidelines.
 - Meet the requirements for mandated fringe benefits cost increases (primarily Social Security base and rate changes.)
 - Provide for increases in the costs of operation, including supplies, services, fuel and utilities.
 - Provide for the rapidly escalating costs of library books and materials and instruction and research equipment.
 - Provide for increased costs of critically needed maintenance of the University's physical facilities.

— Funds are requested for operation and maintenance of new or newly renovated buildings. These include a new Human Resources Center at the Berks Campus, a Library Learning Center at the Delaware County Campus, a maintenance building at the Altoona Campus, and an addition to the Recreation Building at Fayette

Campus Update

David E. Mark, deputy director of the U.S. State Department's Bureau of Intelligence and Research, will visit the Delaware County Campus on Tuesday, Oct. 2. In a public address scheduled for 1:30 p.m., he will discuss the background of American foreign policy related to SALT II and some of the issues surrounding the Senate ratification hearings.

His visit was arranged by Dr. Stephen J. Cimbal, associate professor of political science at Delaware, who participated in the department's scholar-diplomat program last year. Mr. Mark, a former U.S. ambassador to Burundi, will also address Dr. Cimbal's international relations class.

The Capital Campus has received a \$27,300 federal cooperative education grant from the U.S. Office of Education. This marks the fifth year of cooperative education funding for the Campus, and will enable it to expand cooperative education offerings.

At present, undergraduate students from the following majors participate in the program — electrical design engineering technology, accounting, general business, computer science, and social science. Public administration graduate students also participate.

Students alternate six-month periods of full-time study with like periods of work. During 1978, approximately 60 students participated in the cooperative education project. Plans to increase this number to between 75 and 100 are currently underway.

The Milton S. Hershey Medical Center is one of 11 hospitals participating in a two-year pregnancy outcome survey involving some 8,000 women living within a 10-mile radius of Three Mile Island.

The survey, conducted by the state Department of Health, is an extension of its prenatal care pregnancy outcome study which has been conducted in recent years in the Greater Harrisburg area.

Women contacted will have given birth or terminated a pregnancy 10 weeks or more between March 28, 1979, the date of the TMI incident, and March 27, 1981, the final day of the survey. Dr. Ronald Choe, professor and chairman of the Department of Obstetrics and Gynecology at Hershey, will provide obstetric consultation for the survey.

Campus, all of which are expected to open during the 1980-81 fiscal year. Newly renovated buildings at University Park include McAllister Building, Willard Building, the Special Education Building, and the Engineering Units.

— An increase in per capita appropriation for medical students from \$7,465 to \$11,085 is requested in the budget. Dr. Oswald noted that the State's medical education appropriation has not increased since 1971-72, while tuition has risen 455 percent (from \$1,000 to \$5,550 per year).

— As in all recent years, no funds are requested for new programs. Any new program initiatives will be provided for by internal reallocation of resources or from outside sources of income, Dr. Oswald said.

The total appropriation requested is \$139,920,000 for the 1980-81 year. Also approved by the Trustees was a Capital Program Request that outlines proposed spending for the first year of a five-year capital improvement program.

Included in the program are requests for funds to make sewage plant improvements and to renovate several buildings at University Park, to perform deferred maintenance at all locations and to improve University utility systems — all urgent priority projects important to the effective functioning of the University and its programs.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Oct. 4, 1979. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religious, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

PRODUCER/DIRECTOR, COLLEGE OF AGRICULTURE, University Park. Serve as producer and coordinator of daily operations in audio and video taping in studio and on location in field and laboratory on assigned projects. Keep abreast of the various forms of audio-visual equipment capable to extension and college needs to assure correct purchase and replacement of equipment. Produce and host video tape and film or live features of a special nature for "Farm, Home and Garden" television program. Produce various materials for audio-visual presentations with college faculty and special guests for use with specific groups of extension program participants, students, state and federal agencies. Consult with, advise and supervise county-level extension specialists and professionals in proper selection, operation and application of various items of television and audio-visual equipment. Write, rewrite and edit material for radio and television use. Bachelor's degree (or equivalent) in broadcasting, journalism, speech, mass communications, or similar disciplines, plus one to two years of effective experience in radio and/or television programming, programming, or teaching that have a relationship to Cooperative Extension Service objectives, philosophy, and public service. Master's degree highly desirable.

COOPERATIVE EDUCATION SPECIALIST, Capital Campus. Responsible to the Coordinator, Career Planning and Placement, for the development of Cooperative Education positions for Capital Campus students and for assisting in the overall administration of the program. Bachelor's degree or equivalent, plus one year and up to and including two years of directly related experience in higher education, cooperative education or business and industry is required. Position is funded only until Aug. 31, 1980.

FINANCIAL AID AND ADMISSIONS COUNSELOR, Capital Campus. Coordination of student aid program with University Park Campus and on-campus student employment program. Responsibilities include interviewing applicants for admission, counseling them and maintaining information and advice to students in need of financial assistance. Experience with various state and federal forms highly desirable. Bachelor's degree with transferable experience required.

VETERANS COUNSELOR, STUENT AFFAIRS, University Park. Responsible to the Coordinator of Veterans Affairs for services to be rendered by the Office of Veterans Affairs such as veterans counseling, veterans certification and records, and coordinating liaison with the Office of Student Aid, Student Loans, Career Development and Placement, Mental Health and University Admission. Master's degree or equivalent in student personnel administration, plus two to three years of related experience.

The Office of Personnel Administration would like to remind faculty and staff of the University policy regarding the placement of help wanted advertising.

The Manager of the Employment Division is responsible for reviewing the wording of all help wanted advertisements, to ensure that they comply with State and federal legislation and that a standard of public relations is maintained (See PS-33, Help Wanted Advertising in the University Policy Manual).

Anyone wishing to place classified advertisements for faculty or staff vacancies should contact Robert L. Kidder, Manager, Employment Division, 865-1387 (Network number 475-1387) before taking any formal action.

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Appropriation request

(Continued from page 1)

challenge," he said, "has been to cut costs without seriously jeopardizing the quality of our academic programs."

"For example, since the early 1970s," Dr. Oswald added, "Penn State's faculty and staff have been conducting reviews of the 100-plus academic programs at the University. This has resulted in the allocation of available resources on the basis of priorities.

"During the last nine years," he reported, "the University has reallocated a total of \$21.2 million from operating budgets to other areas of even greater need."

Dr. Oswald noted that the 7.3 percent increase in State appropriations this year demonstrated an increased commitment by state government to higher education. He added, however, that Penn State "is operating with a State appropriation per student which, in terms of real purchasing power, has declined by over 18 percent since 1972-73."

In addition to the internal budget reallocations, it has been necessary to increase tuition for 12 consecutive years to bridge the gap between expenditures and income.

"It is realistic to assume, therefore," Dr. Oswald continued, "that some increase in tuition rates will be necessary for the 1980-81 fiscal year. In a period of such rapid double-digit inflation, it is appropriate for students to share to a degree in the cost increases."

In recent years, because State appropriations have increased at a level below the general rate of inflation, students and their families have been required to pay a larger portion of the University's cost increases. The proposed 1980-81 budget includes a request for a 10 percent increase in the University's general funds budget.

University Park Calendar

Sept. 27-Oct. 3

Special Events

Thursday, Sept. 27

Faculty Women's Club, Fall Reception, 7:30-9:30 p.m., Kern Lobby.

GSA, Macroe Workshop, 7:30 p.m., Room 112 Kern.

Religious Affairs Office, 10:30 p.m., "How Should We Then Live," 7:30 p.m., Memorial Lounge, Eisenhower Chapel.

Friday, Sept. 28

Last date for applying for 1980 Study Abroad (Fulbright) Awards.

Geography Dept. coffee and lecture, 3:45 p.m., Room 319 Walker. Arthur Anderson, architecture, on "Visual Simulation."

Commonsplace Theatre, *Kentucky Fried Movie*, 7 and 9 p.m., Room 112 Kern.

Lamb Fellowship Lecture, Larry Tomczak and C.J. Mahoney, Gathering of Believers, Washington, D.C., on "Restoration and Relationships," 7:30 p.m., Schwab, Also Saturday.

Shaver's Creek Nature Center, Night Explorer's Adventure Series, for children 8 and older - by registration only, 8:05-10:15 - 7:30 p.m. Saturday, Stone Valley.

Astronomy Open House, 8-10 p.m., 6th floor, Davey Lab. Cloud date, Sept. 29.

Artists Series, Pinchas Zukerman, violin, 8:30 p.m., Eisenhower Auditorium.

Saturday, Sept. 29

Last date for Nov. graduates to deliver doctoral theses to Committee.

Sports: women's golf, Penn State Fall Invitational, through Sunday; women's tennis, Penn State Invitational, through Sunday; field hockey, vs. Lock Haven, 1 p.m.

Shaver's Creek Nature Center, Elliot Abrams, *Acu-Weather*, on "Rain or Shine," 1 p.m., Stone Valley.

Fance-Cinema, Rainer Werner Fassbinder, *The Bitter Tears of Petra von Kant*, 7 and 9 p.m., Room 112 Kern.

Sunday, Sept. 30

University Chapel Service, 11 a.m., Eisenhower Chapel, John W. Davis, PSU Center for Air Environment Studies, speaker.

Shaver's Creek Nature Center, "An Afternoon about Mammals," 2 p.m., Stone Valley.

Commonsplace Theatre, *Kentucky Fried Movie*, 7 and 9 p.m., Room 112 Kern.

Monday, Oct. 1

Outdoor Pool closes officially. Open on temporary basis if weather permits.

Fixed date for meetings involving Commonwealth Campus faculty.

Cinema-Cinema, *The Bitter Tears of Petra von Kant*, 7 and 9 p.m., Room 112 Kern.

HUB Craft Center Open House, 7:30-9:30 p.m., Room 312 HUB. Also registration for 2nd session classes, Oct. 1-6.

English Dept. Lecture, 8 p.m., Room 103 Chambers. Christopher Ricks, *Christ College*, Cambridge Univ., on "Bob Dylan and Poetic Tradition."

June Miller, organ, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, Oct. 2

Fixed date for meetings involving Commonwealth Campus faculty.

Comp. Lit. Luncheon, 12:15 p.m.; talk, 1 p.m., Hotel State College. Terry Fowler, Spanish & Comp. Lit., on "Teaching Film and Literature: A Few Principles."

University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

Sports: field hockey, vs. Maryland, 3 p.m.

Comp. Lit. Film Series, Jiri Menzel, *Closely Watched Trains*, 7 and 9 p.m., Room 112 Kern.

GSA, Copyrighting Workshop, 7:30 p.m., Room 101 Kern.

Artists Series Film, *Wuthering Heights*, 8 p.m., Schwab.

Wednesday, Oct. 3

Commons Noontime Concert, Chris Lee, vocalist, Kern Lobby.

Sports: exhibition baseball, vs. St. Francis, 2 p.m.

Afro-American Studies Forum, 7:30 p.m., Room 112 Kern. Stanley E. Baker, Virginia Commonwealth Univ., on "Reading and Language Arts Teaching: A Case for Judicial Intervention."

Thursday, Oct. 4

Sports: field hockey, vs. Delaware, 3 p.m.

GSA, Indian Cooking Workshop, 7:30 p.m., Room 102 Kern.

Religious Affairs Office, 10:30 p.m., "How Should We Then Live?" 7:30 p.m., Memorial Lounge, Eisenhower Chapel.

University Resident Theatre Company (URTC), Michael Christoffer, *The Shadow Box*, 8 p.m., The Playhouse.

Penn State Students for Life Lecture, 8 p.m., HUB Ballroom. John T. Noonan, Jr., Univ. of Cal. Law School, on "The Culture of Abortion."

Friday, Oct. 5

HUB Craft Center demonstration, 11:30 a.m., Kern Lobby.

Geography Dept. coffee and lecture, 3:45 p.m., Room 319 Walker. Alistair Fraser, meteorology, on "Non-existent Lands."

Commonsplace Theatre, *Psycho*, 7 p.m.; *North by Northwest*, 9 p.m., Room 112 Kern.

Sports: soccer, vs. Lafayette, 7:15 p.m.

URTC, *The Shadow Box*, 8 p.m., The Playhouse.

Saturday, Oct. 6

Last date for final oral examinations for Nov. graduates.

Last date for Nov. graduates to deliver masters' theses or papers to Graduate School.

Sports: field hockey, vs. Ohio State, 10 a.m.

Artists Series, Neil Simon, *Chapter Two*, 3 p.m. and 8:30 p.m., Eisenhower Auditorium.

France-Cinema, Fassbinder, *Germany in Autumn*, 7 and 9 p.m., Room 112 Kern.

URTC, *The Shadow Box*, 8 p.m., The Playhouse.

Sunday, Oct. 7

University Chapel Service, 11 a.m., Eisenhower Chapel. Yoshio Fukuyama, religious studies, speaker.

Sports: exhibition baseball, vs. Mansfield, 1 p.m.

Commonsplace Theatre, *Psycho*, 7 p.m.; *North by Northwest*, 9 p.m., Room 112 Kern.

Exhibits

Chambers Gallery: David Van Dommelen, "Tents and Tapestries," woven wall hangings, through Oct. 2.

HUB Galleries: Rome Hanks and Mary Edith Miller, photographs; Homecoming exhibits, all open Oct. 1.

Kern Commons Galleries: Harley Straus, photographs, and "Cities, U.S.A.," photographs, both through Sept. 29; Tsing-fang Chen, paintings, opens Sept. 30; Harriet Rosenberg, mixed media, opens Oct. 6.

Museum of Art: European works and 19th century American paintings from the permanent collection; recent paintings and drawings by George Zorelich; 19th century American prints and drawings from the permanent collection, opens Sept. 30.

Pattee Library: "American Scene," prints from the University Libraries fine prints collection, East Corridor Gallery: Patricia Drew, "For the Very Purpose," mixed media, Lending Services Lobby.

Robeson Cultural Center: "Black Women: Achievements Against the Odds."

Zoller Gallery: Faculty exhibit.

Seminars

Monday, Oct. 1

Plant Pathology, Ali Hamid on "Why is the SR6 Gene of Wheat Expressed at 25°C?" 3:55 p.m., Room 213 Buckhout.

Tuesday, Oct. 2

Chemistry and Properties of Macromolecules, A.G. Walton, Case Western Reserve Univ., on "Interesting Properties of Some Synthetic Polypeptides," 11:10 a.m., Room 333 Whitmore.

Organic/Inorganic Chemistry, Roy Noble, grad. student, on "Studies on the Mechanism of Transamination Reactions," 12:45 p.m., Room 333 Whitmore.

Air Pollution Control, Eva J. Pell, plant pathology and Center for Air Environment Studies, on "Can Ozone Alter Food Quality?" 2:20 p.m., Room 140 Fenske.

Computation Center, Herman D. Knoble, research assoc., on "A Practical Look at Computer Arithmetic," 2:30 p.m., Room 110 Computer Bldg.

Geosciences, Selwyn Sachs, Carnegie Institution of Washington, on "Deep Seismic Processes in Earth's Mantle," 3:45 p.m., Room 112 Walker.

Organic/Inorganic Chemistry, Frank Hauser, Oregon Graduate Center, on "Regiospecific Syntheses of Naturally Occurring Polynuclear Aromatic Systems," 8 p.m., Room 333 Whitmore.

Wednesday, Oct. 3

Computation Center, Chester M. Smith, computer science, on "An Introduction to the Computational Center," 12:45 p.m., Room 110 Computer Bldg.

Thursday, Oct. 4

Ceramic Science, Robert Wolfe, GTE Sylvania, on "Phosphor Ceramics," 11 a.m., Room 301 Steidle.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Computation Center, "An Introduction to the Computational Center," 11:10 a.m., Room 110 Computer Bldg. Repeat.

Chemistry, Frederic M. Richards, Yale Univ., on "Areas, Volumes and Protein Structures," 12:45 p.m., Room 333 Whitmore.

Physics, Joseph S. Levinger, Rensselaer Polytechnic Institute, on "The Three Body Problem," 3:50 p.m., Room 445 Davey.

Meteorology, Mark Mathewson, graduate student, on "Real Time Radar Data Displays at AFOS," 3:55 p.m., Room 112 Walker.

Computer Science, E.G. Coffman, Jr., Bell Labs., on "Packings in Two Dimensions," 4 p.m., Room 325 Whitmore.

Fuel Science, Mark Morgan, fuel science, on "Major Inorganic Constituents in Lignite," 4 p.m., Room 301 Steidle.

Mathematics, Hans Berliner, Carnegie-Mellon Univ., on "Computers and Games," 4 p.m., Room 102 McAllister.

Arts Roundup



Zukerman to perform

Pinchas Zukerman, an internationally acclaimed violinist, will appear in concert at 8:30 p.m. Friday, Sept. 28, in Eisenhower Auditorium. A limited number of tickets to this Artists Series event will be on sale today until 4 p.m. at the Artists Series Booth in the HUB and in Eisenhower Auditorium.

Zukerman, 31, has performed with leading orchestras throughout the world since his New York debut in 1969 with Leonard Bernstein and the New York Philharmonic.

He began his study of the violin at the age of seven, and a year later entered the Israel Conservatory and the Academy of Music in Tel Aviv. In 1961, Isaac Stern and Pablo Casals heard him play and recommended he further his studies in the United States; he did so, at Juilliard. In 1967, Zukerman won first prize in the 25th Leventritt International Competition.

Bringing together the academic and professional worlds of theatre in an atmosphere that will be productive for both is the goal of Penn State's new University Resident Theatre Company (URTC).

According to Douglas N. Cook, head of the Department of Theatre and Film, the company will import different professional actor/teachers to the University each term to familiarize students with the professional theatre world and bring them into contact with career problems and prospects.

A combination of the University Theatre, the Festival Theatre and the Arts Company, URTC will be producing plays year-round, utilizing visiting actor/teachers, faculty, and graduate and undergraduate students in the company.

During the current Fall Term, three actor/teachers have joined the company. Stephen D. Keener, a graduate of the Goodman School of Drama in Chicago, has appeared with the Goodman Theatre's professional repertory company and the Missouri Repertory Theatre. Edith Owen, who holds a B.A. from Hunter College and an M.A. from Columbia University, has worked with the Chautauque Summer Theatre and the Missouri Repertory Theatre. Broadway actress Gloria Rossi has appeared in *Gypsy*, *The Old Glory* and *The Desert Song* and toured with the road production of *Rosecrantz and Guidersten* at Are Dead.

All three actors are working with URTC's first production of the season, Michael Christoffer's *The Shadow Box*, which opens Thursday, Oct. 4, in the Playhouse. Ticket and season subscription information is available by calling 865-1886 from 1-6 p.m. Mondays through Saturdays or by stopping by the company office in Room 137 Arts Building.

Organ program is Monday

A program of German and French music from the Baroque period to the 20th century will be presented by associate professor June Miller, an organist, at 8:30 p.m. Monday, Oct. 1, in the Music Building Recital Hall.

Several selections by J.S. Bach, the Prelude and Fugue in C and two chorale preludes, will open the program. Prof. Miller will perform the Prelude in E Minor by Nicholas Bruhns and two movements from the "Messe pour les Couvents" by Francois Couperin. She will close the Baroque part of the concert with another piece by Bach, the Fantasy in G.

Music from the romantic period and 20th century music comprise the second part of the program. Prof. Miller will offer the first performance in this area of Jehan Alain's Three Movements for Flute and Organ. Felix Mendelssohn's Sonata No. 3 in A and Olivier Messiaen's "The Nativity" will conclude the program.

Flute recital scheduled

Ezra Laderman's Duet for Flute and Dancer will highlight a recital by Overda Page, flutist, at 8:30 p.m. Wednesday, Oct. 3 in the Music Building Recital Hall.

The Laderman work is unique because the American composer rhythmically notated the dancer's part on the musical score. Kathy Stuart will perform the dance which was choreographed by assistant professor Pat Heigel-Tanner.

Other works on the program are Beethoven's Serenade in D Major; two short pieces for flute and piano, "Fantasie - Caprice" by Jolivet and "Morceau de Concerts" by Faure; and Jacob's Concerto for Flute and String Orchestra.

Ms. Page is an instructor in the School of Music.

Penn State Intercom



Etching (left) by Jim Dine, "Self Portrait with Ski Hat (Obliterated by Tulips)" and (right) part of Edward Hopper's "Night Shadows" from Museum of Art exhibit.

News in Brief

University complying with DOE regulations

Certificates of Compliance to Department of Energy Emergency Building Temperature Restrictions are now being placed in University buildings, according to Ralph E. Zilly, vice president for business and chairman of the Executive Energy Conservation Committee.

The certificates, signed by appropriate deans or administrative officers, signify compliance with the 78 degree restriction on air conditioning, 65 degrees on heating and 105 degrees on domestic hot water.

"Of course, there are some exemptions for buildings housing research animals and sensitive equipment or processes. Residential areas are also excluded from the restrictions," Mr. Zilly said.

Maintenance and Operations employees are currently resetting water temperatures and checking the calibration of wall thermostats so that room occupants can exercise proper control of temperatures, he added.

The regulations of President Carter's Emergency Energy Conservation Plan No. 2 make occupants of a room or area responsible for the air temperatures in the area.

In locations without thermostats, occupants are responsible for temperature control through the use of radiator hand valves, univent controls, or other control devices in a room. They are also responsible for turning air temperatures back to 55 degrees when an area is not to be occupied for eight hours or more.

Where control devices exist in classrooms, the instructors in those classrooms are responsible for maintaining proper temperatures and they also have the duty of setting temperatures back to 55 degrees when the class ends.

When classrooms are not scheduled for use, building coordinators have responsibility for temperatures during the normal working day. Mr. Zilly noted.

"Because the small thermometers frequently found on thermostats are notoriously inaccurate," he said, "persons suspecting that their room or area is too warm or cold should notify their building coordinator. Physical Plant personnel will check the temperature and take any necessary follow-up action."

At Hershey Medical Center, Behrend College, Capitol Campus, and the Commonwealth Campuses, the provost or director is responsible for compliance and for reporting directly to the Department of Energy on all exemptions claimed.

Use of car flashers may prevent tickets

Some faculty and staff members have received parking tickets that could have been prevented by just turning on the vehicle's emergency flashers, according to Allan Derzak, University parking coordinator.

Short-time parking for loading and unloading, pick-up or delivery is permitted in parking areas and in loading zones provided the vehicle's emergency warning flashers are operating. The maximum time limit for pick-up or delivery parking is 15 minutes. If a vehicle is not equipped with emergency flashers, an acceptable alternative is turning on the vehicle's head lamps.

A note affixed to the windshield or displayed on the dashboard is not an acceptable alternative. Additional information concerning University parking privileges is provided on the reverse side of the faculty staff parking map.

Graduate School will help sponsor speakers

Faculty members or organizations who wish assistance in bringing distinguished speakers to the University may request it in writing from the Graduate School by Oct. 31.

"Each year the Graduate School assists several departments or other administrative units in bringing distinguished speakers to the campus for presentations that can be expected to evoke a wide spectrum of interest," says Dr. B.F. Howell Jr., associate dean. "The type of speaker we like to sponsor often can be obtained only by planning six months to a year in advance."

Requests for assistance should name the speaker, provide a brief vita, state the general area of his or her talk, explain why the talk should hold wide appeal and to whom it would be of interest, and state how much financial assistance (up to \$500) is desired from the Graduate School. Requests should be addressed to: Graduate Council Committee on the Lecture Series.

c/o B.F. Howell Jr., 320 Kern Graduate Building.

For 1979-80, the Graduate School is co-sponsoring a lecture by Prof. Herbert A. Simon on March 27, and has invited John Marshall to premiere his film on the life of a bushman.

Liberal Arts institutes Humanities Doctoral Minor

The College of the Liberal Arts has instituted a new program of studies — the Doctoral Minor in the Humanities (DMH) — which is available to interested doctoral students throughout the University.

According to Dr. Leon F. Lyday, professor of Spanish and director of DMH, the interdisciplinary program is designed both to enhance employment opportunities for interested students and

to provide them with a richer and more varied educational experience.

"The DMH is an individualized program involving 15 to 18 credits in a broadly humanistic area," Dr. Lyday said. "Teaching experience in this minor area will be provided in every possible instance, normally through the general humanities program."

"DMH may be counted as a doctoral program minor, or as an option, and students may enter it in either category," he added.

Students successfully completing the program will be awarded a certificate (minor or option) of accomplishment by the College of the Liberal Arts at the time the doctoral degree is awarded.

For brochures and other information pertaining to the DMH program, write Dr. Lyday at Room 132 Sparks Building or call 863-0524.

United Way fund drive begins

Editor's note: The following article has been prepared by the Office of Campus Relations, responsible for coordinating the Penn State United Way campaign.

United Way fund raising drives have begun across the nation in support of some 39,000 human service agencies, and Penn State employees across the Commonwealth are being asked to do their part by contributing to the local United Way agency where they work or live.

The University's support of this single fund-raising drive for all employees is designed to allow individuals to support local agencies with a minimum of time and expense.

In families where more than one person is a member of the Penn State family, duplicate information is mailed. It is essential that each person return the card with name and appropriate response indicated to avoid costly follow-up procedures.

The United Way is unique in that it is a community-based drive designed to assist people with a broad range of human services. Funds raised by each community are used to support local agencies needed by the people who live in the area.

The United Way campaigns are conducted by volunteers from the community. The single, united campaign effort is efficient because it reduces

campaigning costs; on average, less than 10 percent of every dollar goes for administration and fund-raising costs. Agencies supported by United Way are reviewed by volunteer boards to determine their financial need and value to the community.

For more information as to how United Way helps people where you live, contact your Campus United Way coordinator: Allentown, John Cooney, 485-4811; Altoona, W. Dennis Stewart, 946-4321; Beaver, Don Hicks, 775-2751; Behrend College, Ernest Fryer, 456-6414; Berks, Arthur Moberly, 375-4211; Capitol, Sherry Shaffer, 787-7737; Delaware County, Eugene Cloud, 565-3300; DuBois, Janet L. Yates, 371-2600; Fayette, Melvin Henderson, 437-2801.

Hazleton, Dr. Harold Aurnad, 454-8731; Hershey, Dr. Alphonse LeureduPree, 534-8521; McKeesport, Dr. Herbert McGibbeny, 687-9501; Mont Alto, T.D. Wilkinson, 749-3111; New Kensington, R. Arbuckle, 339-7561; Ogontz, Dr. Robert Bernoff, 886-9400; Radnor, Pamela Peck, 337-3612; Schuylkill, Steve Littell, 487-2334; Shenango Valley, George Gerhart, 981-1640; University Park, United Way Hotline, 863-1520; Wilkes-Barre, G. Bierly, 675-2171; Worthington Scranton, Frank Yatsko, 961-4757; York, Dr. David

Penn Staters

The Rev. Dr. Derald W. Stump, campus pastor to Episcopal students, and the Rev. Dr. Quentin L. Schaut, O.S.B., rector of the Penn State Catholic Center, have been invited to a morning service of prayer and meditation with Pope John Paul II in Trinity College Chapel, Washington, D.C., on Oct. 7. Their invitations came from Cardinal William Baum, Archbishop of Washington. The service involves the Ecumenical Society for Christian Dialogue, a transdenominational group to which both pastors belong.

Dr. T.T. Tsong, professor of physics, recently gave invited lectures and papers in the Soviet Union and West Germany. From Aug. 13-28, he was a guest of the U.S.S.R. Academy of Sciences. In Leningrad, Dr. Tsong gave lectures and seminars at the A.F. Ioffe Physics-Technical Institute; in Kiev, at the Physics Institute of the Ukrainian Academy of Sciences; and in Moscow at the Institute of Crystallography. From Sept. 4-10, he presented papers and served as chairman for the first session of the 26th International Field Emission Symposium in West Berlin.

Dr. Bruce M. Stephens, associate professor of humanities and religious studies at the Delaware County Campus, was one of 20 U.S. scholars selected to participate in a six-week seminar this summer at the Institute for the Teaching of the Post-Biblical Foundations of Western Civilization. The seminar was sponsored by the National Endowment for the Humanities and conducted by the faculty of the Jewish Theological Seminary of America in New York City. In addition, Dr. Stephens' monograph, *God's Last Metaphor*, will be published by the American Academy of Religion through the University of Montana's Scholar Press, as part of its "Studies in Religion" series. The monograph is a study of themes related to the doctrine of the Trinity in New England theology in the period between Jonathan Edwards and Horace Bushnell.

Dr. Dorothy V. Harris, professor of physical education, recently returned from Tokyo where she was invited to address the Olympic coaches on the topic of "Anxiety Management in Competitive Sport." She also conducted a seminar in "Professional Preparation" at the University of Tsukuba.

Dr. Beno Weiss, associate professor of Italian, has recently been appointed to the position of Bibliographer of the *MLA International Bibliography*. This annual bibliography is the most comprehensive in the field of modern languages and literatures. Prof. Weiss will collaborate in the compilation of Italian sources and materials.

Philip Klass, professor of English, opened the colloquium season at West Chester State College on Sept. 19 with an address titled "Science Fiction: Infraliterature or Ultraliterature?"

Dr. B. Lakshminarayana, professor of aerospace engineering, was a visiting scientist and professor at the Indian Institute of Science in Bangalore, India, last summer. His appointment was sponsored jointly by the National Science Foundation, the Council of Scientific and Industrial Research, and the Indian Institute of Science. He conducted seven seminars at the Institute and gave one lecture at the National Aeronautical Laboratory, also in Bangalore.

Brenda Gaylord Hameister, a former instructor of speech pathology, has been appointed coordinator for handicapped students at the University, effective immediately. She received her B.S. *summa cum laude* in speech pathology and audiology from SUNY at Geneseo and her M.S. in speech pathology from the University of Michigan.

William G. Yendo, professor of entomology, was one of seven guest lecturers and agricultural exchange delegates to the People's Republic of China this past summer. The delegation was assembled by the International Science and Education Council to exchange information related to biological control of crop pests. His trip was organized under the Agricultural Exchange Accord, established in November 1978 by officials of the U.S. Department of Agriculture and the Chinese Ministry of Agriculture. The delegation presented lectures for scientists representing Fudan University, the Chinese Academy of Science at Beijing, Zhongshan University, Shanghai Institute of Entomology, and officials from national and provincial governments.

Brant Shoemaker, associate professor of English and humanities at the Ogonitz Campus, has been named to the board of directors of the Leonardo Da Vinci Academy, the arts and sciences organization of the United Nations.

Bookshelf

Dr. Wendell V. Harris, professor and head of the Department of English, is the author of *British Short Fiction in the Nineteenth Century: A Literary and Bibliographic Guide*, published recently by Wayne State University Press, Detroit.

In this study, Dr. Harris surveys and evaluates the body of British short fiction during a golden age when authors and publishers responded to the interests of an expanded reading public. It was a time when periodicals and annual gift books regularly offered short fiction by writers such as Sheridan Le Fanu, William Carleton, and "Baron Corvo;" the wealth and variety of these stories, however, have been largely neglected in the twentieth century.

Dr. Harris restores some forgotten authors to their rightful positions in literary history, and provides a context for the shorter works of well-known novelists such as H.G. Wells and Sir Edmund Bulwer Lytton. Pointing out that the true short story did not emerge until near the end of the century, Dr. Harris approaches the shorter forms on their own terms, identifying subgroups, analyzing representative or intrinsically important individual works, and suggesting previously overlooked patterns of influence.

In addition to chapters devoted to significant trends and subgenres, there is an extensive, detailed bibliographic appendix designed to guide the researcher or student through the maze of volumes in which the tales and stories may now be found. It includes listings of the contents of individual volumes and indicates the most useful published bibliographies.

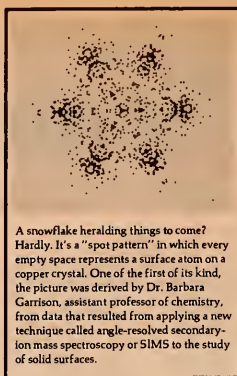
25-year chairs

Three employees of Housing and Food Services recently celebrated a combined 75 years of service to the University. Guy F. Auman, Robert J. Isaacson and Gerald R. Mansell have received 25-year chairs.

Guy F. Auman began working at Penn State in 1953 as a houseman. His title later changed to resident hall worker A. In 1971, he was promoted to truck driver in Repair Services. Another promotion in 1977 took him to his present job as maintenance worker in Repair Services. Mr. Auman is a resident of Aaronsburg.

In 1954, Robert J. Isaacson also began his University career as a houseman. His job title changed to resident hall worker A and then to resident hall maintenance worker. In 1978 he took his present job as resident hall utility worker in North Halls. Mr. Isaacson lives in Grassflat.

Gerald R. Mansell joined the University staff in 1954 as a utility worker. In 1969, his title changed to dining hall worker A in Simmons Dining Hall — Mr. Mansell's present title. He and his wife, Frances, reside in Bellefonte.



A snowflake heralding things to come? Hardly. It's a "spot pattern" in which every empty space represents a surface atom on a copper crystal. One of the first of its kind, the picture was derived by Dr. Barbara Garrison, assistant professor of chemistry, from data that resulted from applying a new technique called angle-resolved secondary-ion mass spectroscopy or SIMS to the study of solid surfaces.

Retirements

Charles W. Huston, business manager at Ogonitz, retired Sept. 30 after 10 years of service to the University. He came to Ogonitz three years ago from a similar position at the Wilkes-Barre Campus. He had previously had a long and varied business career.

Sarah S. Anderson, a janitorial worker in the Office of Physical Plant, retired Oct. 1. She began employment with the University on Jan. 17, 1967. Ms. Anderson resides in Pine Grove Mills.

Sara T. Nerhood, a residence hall worker in Housing and Food Services since June 13, 1978, retired Oct. 1.

Promotions

Technical Service

Jerre T. Ferguson to utilities equipment operator A at Hershey.

Patricia A. Millbyter to food service worker in Housing & Food Services.

Lois H. Miller to senior milk testing machine operator in Agriculture.

Virginia A. Mulreaney to snack bar attendant in Housing & Food Services.

Gerald K. Riggar to group leader, maintenance worker utility at Fayette.

Angelo Rose to maintenance worker utility in Physical Plant.

Priscilla Strasser to food preparer B, Housing & Food Services.

Viola R. Vonada to food preparer B, Housing & Food Services.

PSU Greeters make visitors feel at home

Perhaps your department or college is hosting:

- A Russian visitor who wants to see a typical U.S. supermarket.

- An Alumni Fellow whose wife is interested in obedience training for German shepherds.

- A job candidate whose family wants to tour the State College community.

The Penn State Greeters will be delighted to show them around. In fact, members of the Greeters, a hospitality group of the Faculty Women's Club, have already conducted visitors on just such specialized excursions, and they're only too happy to rise to new challenges.

The Greeters was formed at the suggestion of Rose Oswald, who had seen a similar group in action when she and the President were at UC-Berkeley. Its mission is to try to make visitors to University Park feel at home.

Either alone or with spouses, Greeters attend various University and alumni functions. "Often people don't know we're there officially," says Jim Eberhart, who, with Beverly Eckess, is co-chairing the group this year. "We try to see that each guest has someone with whom to talk, or perhaps assist older people with special needs."

With the constant flow of visitors into University Park, occasions arise when a department has no one available to look after a guest or a visiting family. A call to the Greeters will remedy that.

Depending on the visitor's interest, the volunteers will drive over the mountain to take in the Amish Market in Belleville, make the rounds of the local antique dealers, tour campus museums, or just visit over lunch.

If no official University host is available, a member of the Greeters will go to the airport to pick up a guest. The group welcomes the opportunity to arrange activities for children of visitors, and, with a little notice, can organize a small tea or reception.

"All of our 40-some members enjoy meeting new people, and we're eager to present the University and the community in a good light," Mrs. Eberhart says.

Any department interested in inquiring further about the Greeters' services should call either Mrs. Eberhart (238-8259) or Mrs. Eckess (238-6911).



Left to right: Robert Isaacson, Guy Auman, Gerald Mansell

University Park Calendar

Oct. 4-14

Special Events

Thursday, Oct. 4
CSA, Indian Cooking Workshop, 7:30 p.m., Room 102 Kern.
Religious Affairs Office, 10 part film, "How Should We Then Live?" 7:30 p.m., Memorial Lounge, Eisenhower Chapel.
Students for Life Lecture, 8 p.m., HUB Ballroom.
John T. Noonan, Jr., Univ. of Cal. Law School on "The Culture of Abortion."
URTC, Michael Christofore, *The Shadow Box*, 8 p.m., The Playhouse.

Friday, Oct. 5
Mary Danahy, pottery demonstration, 10:30 a.m.-1:30 p.m., Fisher Plaza (Kern Lobby if weather uncooperative).
Interdisciplinary Symposium on Value Lecture, 1 p.m., Hotel State College. John Noonan, history of law, Univ. of Cal., Berkeley, on "The Relationship of Legal and Moral Considerations in the Problem of Abortion."
Geography Dept. coffee and lecture, 3:45 p.m., Room 319 Walker. Alistair Fraser, meteorology, on "Non-existent Lands."
Commons place Theatre, *Psycho*, 7 p.m.; *North by Northwest*, 9 p.m., Room 112 Kern.
Sports: soccer, vs. Lafayette, 7:15 p.m.
URTC, *The Shadow Box*, 8 p.m., The Playhouse.

Saturday, Oct. 6
Last date for final oral examinations for November graduates.
Last date for November graduates to deliver masters' theses or papers to Graduate School.
Sports: field hockey, vs. Ohio State, 10 a.m.
Artists Series, Neil Simon, *Chapter Two*, 3 p.m. and 8:30 p.m., Eisenhower Auditorium.
France-Cinema, Fassbinder, *Germany in Autumn*, 7 and 9 p.m., Room 112 Kern.
URTC, *The Shadow Box*, 8 p.m., The Playhouse.

Sunday, Oct. 7
University Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Yoshio Fukuyama, religious studies, speaker.
Sports: exhibition baseball, vs. Mansfield, 1 p.m.
Shaver's Creek Nature Center, Autumn Ramble, 2 p.m., Stone Valley.
Commons place Theatre, *Psycho*, 7 p.m.; *North by Northwest*, 9 p.m., Room 112 Kern.

Monday, Oct. 8
Shakespeare film, Olivier, *Hamlet*, 6:30 p.m., Room 112 Chambers. Free.
France-Cinema, *Germany in Autumn*, 7 and 9 p.m., Room 112 Kern.
Raymond Brown, baritone, 8:30 p.m., Music Bldg. Recital Hall. Free.

Tuesday, Oct. 9
Comp. Lit. Luncheon, 12:15 p.m.; talk, 1 p.m., Hotel State College. Margaret Allan, author, on "The Achievement of Margaret Fuller."
Shakespeare film, Williamson, *Hamlet*, 6:30 p.m., Room 112 Chambers. Free.
Comp. Lit. Film Series, Kurosawa, *Throne of Blood*, 7 and 9 p.m., Room 112 Kern.
Public discussion of "Issues in Aging" and viewing of Ingmar Bergman film, *The Naked Night*, 7 p.m., Room 209 Henderson.
URTC, *The Shadow Box*, 8 p.m., The Playhouse.
Artists Series, Murray Louis Dance Company, 8:30 p.m., Eisenhower Auditorium.

Wednesday, Oct. 10
Commons Concert, Tom Robinson, vocalist, noon, Kern Lobby.
Friends of the Museum Gallery Talk, 8 p.m., Museum of Art. William Davis, assistant director of Museum, on "The Setting Up of a Museum Exhibit."
URTC, *The Shadow Box*, 8 p.m., The Playhouse.

Thursday, Oct. 11
Commons Videotape, "TV Quarterback," noon, Kern Lobby.
Sports: field hockey, vs. East Stroudsburg, 3 p.m.

Friday, Oct. 12
Religious Affairs Office, 10 part film, "How Should We Then Live?" 7:30 p.m., Memorial Lounge, Eisenhower Chapel.
URTC, *The Shadow Box*, 8 p.m., The Playhouse.

Friday, Oct. 12
Sports: JV football, vs. Milford Academy, 2 p.m.; soccer, vs. Maryland, 8 p.m.

Arts Roundup

Some tickets remain for "Chapter Two"

The Artists Series will present Neil Simon's *Chapter Two* comedy at 8:30 p.m. Saturday, Oct. 6, in Eisenhower Auditorium. The subscription performance scheduled for 3 p.m. that day is sold out, but tickets for the 8:30 performance are still on sale at Eisenhower Auditorium.

The show, now in its third year on Broadway, tells the story of a novelist — grieving over the recent death of his wife of 12 years — who impulsively marries a recently divorced actress. Mr. Simon has said: "This play is my comment on love in marriage."

The production stars Dawn Wells, who played the role of Mary Ann in TV's "Gilligan's Island" and has guest-starred on more than 100 television shows. David Faulkner, who plays George, has television credits that include feature appearances on "Kojak" and on the NBC children's special "Piece of Cake." He also has appeared in several serials on daytime television.

Brown to present baritone recital

Heinz Werner Zimmermann's *Psalmkonzert* — which features an ensemble of three trumpets, vibraphone, double bass, organ, choir and boys' choir — will be presented in a recital by baritone Raymond H. Brown at 8:30 p.m. Monday, Oct. 8, in the Music Building Recital Hall.
Opening the recital will be four

Italian compositions, "Amarilli Mia Bella" by Caccini, "Beato Chi Puo" by Cavalli, "Pieta, Mio Caro Bene" by Bononcini and "Tu Se Morta" by Monteverdi, "Evening Hymn" by Henry Purcell and "Lord, What is Man" with realizations by Benjamin Britten will follow. Also included in the first half of the recital are four compositions by Richard Strauss and a song cycle by Ralph Vaughn Williams. Philip Dettra will accompany Mr. Brown on piano for the first half of the program.

Psalmkonzert comprises the second half of the recital. Conducted by Tommie Irwin, the 1957 composition features Carol Lindsay on vibraphone, Richard Laird on double bass, June Miller on organ, the Penn State Singers, and Christopher Kirkpatrick directing the Schola Cantorum of Our Lady of Victory Church, State College.

Mr. Brown is professor of music and director of the University choirs. Monday's recital, sponsored by the School of Music, is free and open to the public.

Exhibit of paintings continues at Kern

An exhibit of paintings by Tsing Fang Chen will continue at the Kern Graduate Commons Gallery through Oct. 27.

Mr. Chen's neo-iconography has been described as complex, demanding and ultimately rewarding. The display features icons from different ages, cultures, and original intents. A graduate of Taiwan University, Mr. Chen lived in France for 12 years before coming to the United States in 1975.

Tuesday, Oct. 9

ARL, Earl Williams, research assistant, on "Low Frequency Plasma Radiation Using a Near Field Microphone Array," 10:45 a.m., Walker Conference Room, Applied Science Bldg.

Organic/Inorganic Chemistry, Jeffrey Ross, grad. student, on "Extended X-ray Fine Structure (EXAFS) Spectroscopy: Characterization of Dispersed Metal Catalysts," 12:45 p.m., Room 333 Whitmore.

Air Pollution Control, Anne K. Bennett, grad. student, mechanical engineering, on "Improved Procedure for the Design of Industrial Ventilation Systems," 2:20 p.m., Room 140 Fenske.

Logic, C. Alves, mathematics, on "Ultrafilters over Measurable Cardinals," 2:20 p.m., Room 118 McAllister.

Geosciences, Lauren A. Wright, geosciences, on "Crustal Evolution Between Las Vegas Valley and the Sierra Nevada: Some Interpretations and Remaining Problems," 3:45 p.m., Room 112 Walker.

Biology, Zane B. Carothers, Univ. of Illinois (Urbana-Champaign), on "Comparative Blepharoplast Morphology: A New Line of Inquiry into Bryophyte Evolution," 4 p.m., Room 8 Mueller.

Wednesday, Oct. 10

Philosophy of Sport, Peter Gould, geography, on "The Structure of Team Games," 12 noon, Room 104 White.

Thursday, Oct. 11

Ceramic Science, James McCauley, Army Materials and Mechanics Research Center, on "Mica-Toughened Ceramics," 11 a.m., Room 301 Sieidle.

Chemistry, Francis K. Fong, Purdue Univ., on "Chlorophyll Water Splitting and Photosynthesis Outside of Green Plants," 12:45 p.m., Room 333 Whitmore.

Anthropology, Nancy Berte, Mark Flinn and Carolyn McCommon, grad. students, on "Ethnological Research Among Central American Peoples — Belize, Trinidad and Honduras," 3:30 p.m., Room 107 Carpenter.

Physics, M.B. Webb, Univ. of Wisconsin, on "Noble Gas Adsorption on Ag," 3:30 p.m., Room 445 Davey.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Meteorology, Joanne Simpson, Goddard Space Flight Center, on "Interaction and Impact of Cumulus Clouds," 3:35 p.m., Room 112 Walker.

Fuel Science, P.R. Solomon, United Technologies Research Center, on "Use of FTIR to Predict Coal Pyrolysis Behavior," 4 p.m., Room 301 Sieidle.

Mathematics, Anton Zettl, Northern Illinois Univ., on "Some Results in Ordinary Differential Equations," 4 p.m., Room 102 McAllister.

Computation Center, Daniel L. Bernitt, senior research associate, on "APL (2 of 6)," 7:30 p.m., Room 108 Forum.

Exhibits

HUB Galleries: Rome Hanks and Mary Edith Miller, photographs; Homecoming exhibits.

Kern Commons Galleries: Penn State Press, "Best Designed University Press Books of Past Year," 9 a.m.-4 p.m., Oct. 4 and 5 only; Tsing-Fang Chen, paintings; Harriet Rosenberg, mixed media, opens Oct. 6.

Museum of Art: European works and 19th century American paintings, prints and drawings from the permanent collection; recent paintings and drawings by George Zaretch.

Pattet Library: "The American Scene," prints from the University Libraries fine prints collection, through Oct. 8; Peter Green, recent drawings, opens Oct. 9; East Corridor Gallery, Patrice Drew, "For the Very Purpose," mixed media, through Oct. 8, Lending Services Lobby.

Robeson Cultural Center: "Black Women: Achievements Against the Odds," through Oct. 7.

Zoller Gallery: Faculty exhibit, through Oct. 7; Sickel Photographs Show, opens Oct. 14.

Hemingway scholars on "Talkabout" show

The 50th anniversary of the publication of Ernest Hemingway's *A Farewell to Arms* is not going unnoticed at the University, recognized internationally as a center for Ernest Hemingway studies.

Tonight at 10 p.m., WPXS-TV's "Talkabout" will feature an interview with two Hemingway scholars: Dr. Bernard Oldsey, professor of English at West Chester State College and a former Penn State faculty member, and Dr. Philip Young, research professor of English at Penn State.

In the "Talkabout" program — to be rebroadcast at 6 p.m. Saturday, Oct. 6, and at 8:30 a.m. Thursday, Oct. 11 — interviewer Bruce Adams asks Professors Young and Oldsey about the circumstances leading to the resounding success of the struggling author's World War I novel, which attained a sale of 79,000 in the first two months after its Sept. 27, 1929, publication, despite the stock market crash a month later.

Both Drs. Young and Oldsey are authors of books on Hemingway that have been published by The Pennsylvania State University Press. Published last month, Dr. Oldsey's *Hemingway's Hidden Craft: The Writing of 'A Farewell to Arms'* "clearly" categorizes the novelist's massive rejected material, and "then places it firmly in the context of Hemingway's life and the process by which he shaped his art," according to Choice.

In Dr. Young's *Ernest Hemingway: A Reconsideration* (1966), he shows "convincingly," according to *Time* and *Tide*, how Hemingway's writing "was a self-cure." Dr. Young also is co-author, with Charles W. Mann, University Librarian; chief, Special Collections and professor of English, of *The Hemingway Manuscripts: An Inventory*, published by the University Press in 1969.

Four new funds established

Four new funds have been established at the University. They are:

— A John N. Ramsey Memorial Scholarship to assist outstanding students who need money to complete their educations.

The initial principal of the fund, \$187,515, has been received from a trust established by John N. Ramsey, who died May 2, 1978, in Bradenton, Fla. Mr. Ramsey, who graduated from Penn State in 1910 with a degree in civil engineering, was the founder of the Vegler-Ramsey Co., a consulting engineering firm in the Pittsburgh area.

Consideration for the scholarship will be given to all students eligible for admission to the Penn State Scholars Program. Each John N. Ramsey Memorial Scholarship will be awarded for one academic year. It may be renewed if the recipient continues to meet eligibility requirements and funds remain available.

— A Sara Lowrie Love Memorial Fund to provide monies for approved and essential expenditures for which general funds are not available.

The initial principal of the fund, in excess of \$150,000, has been received from the estate of Sara Lowrie Love, a Tyronne, Pa., native who died recently in Orlando, Fla. Mrs. Love, a graduate of Goucher College, was the wife of Robert A. Love, a Penn State alumnus (Class of '16), who preceded her in death.

Income from the fund may be used for: travel and travel accommodations; membership in professional and/or allied organizations; entertainment of special University guests; meeting unusual needs brought on by emergency personnel situations of faculty or staff. The number of expenditures and the amount of each will depend upon the fund's earnings. Expenditures will be authorized by the University Controller and approved by the University Treasurer.

— A New England Scholarship to assist

outstanding students who are residents of Massachusetts or any of its adjacent states.

The initial principal of the scholarship fund, \$9,614.80, has been obtained by closing the New England Penn State Alumni Scholarship Fund and transferring its assets, with the consent of the New England Penn State Alumni Club.

Consideration for the scholarships will be given to full-time undergraduates from the New England states who are enrolled, or who plan to enroll as such, at Penn State. These students must demonstrate financial need and show evidence or promise of superior academic achievement. Nominees of the New England Penn State Alumni Club will be given preferential consideration.

Each scholarship will be awarded for one academic year. It may be renewed if the recipient continues to meet all requirements and funds remain available.

— An Engineering Science Award Fund to provide financial aid to outstanding undergraduates majoring in engineering science.

The initial principal of the fund, \$1,500, has been contributed by Dr. John R. Hummel, of Utica, Mich. Dr. Hummel, who earned his B.S. in engineering science (1973) and his M.S. in meteorology (1975) from Penn State, is a research scientist for General Motors.

Consideration for the award will be given to undergraduates enrolled in engineering science in the College of Engineering who have superior academic records, sophomore standing, and a need for financial aid. One award of \$100 will be made annually from the earnings of the fund. Recipients will be recommended by Engineering Science Department faculty members and selected by the Scholarship Committee of the College of Engineering. The award may be renewed.

Staff Vacancies

The following vacancies for positions classified as staff except or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Oct. 11, 1979. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ADMISSIONS COUNSELOR II — DEAN OF ADMISSIONS, University Park Responsible to the Associate or Assistant Director of Admissions for general assistance in handling the more complex of admissions matters in an assigned regional area. Participation in and administration of admissions activities for freshmen, advanced standing, transfer, provisional and nondegree students who are baccalaureate or associate degree candidates for University Park Campus and for assigned Commonwealth Campus/Behrend College. Jurisdiction of these candidates is based on the geographic home address of the candidate. Bachelor's degree and one to two years effective experience in educational administration or in related fields such as industry, military service or the like.

ADMISSIONS COUNSELOR I — DEAN OF ADMISSIONS, University Park Responsible to the Associate or Assistant Director of Admissions, for general assistance in handling of the more routine admissions matters in an assigned regional area. Participating in and administration of admissions activities for freshmen, advanced standing, transfer, provisional, and nondegree students who are baccalaureate or associate degree candidates for University Park Campus and for assigned Commonwealth Campus/Behrend College. Jurisdiction of these candidates is based on the geographic home address of the candidate. Bachelor's degree and six to nine months of effective experience in education administration.

BUDGET AND PERSONNEL OFFICER — VICE PRESIDENT FOR BUSINESS, University Park Responsible to the Assistant Vice President for Business Services for management of the University accounting and personnel programs within the Office of Business Services. Act as Personnel Representative for the Office. Assist with the development, implementation, and administration of internal accounting and personnel policies and procedures. Prepare financial and statistical reports to be used in administrative decision making. Supervise clerical support personnel. Bachelor's degree or equivalent

business administration, with a major or minor in accounting, plus three to four years of effective experience in budget control, accounting operations and personnel administration.

PRODUCER-OPERATIONS SUPERVISOR, PENN STATE RADIO — CONTINUING EDUCATION, University Park Planning, production and management of the Penn State Radio series, "The Sound of Progress", and other special programs as assigned. Candidates should have an interest and background in science and technology topics. Ability to schedule and conduct interviews with program guests, select segments of interviews for use in programs as the regular host. Will coordinate contact with approximately 100 radio stations and be responsible for distribution logistics. Bachelor's degree in English, journalism, radio-television or related fields plus at least two years' experience in radio programming or related areas are required. Announcing audition or preferably sample tape indicating candidates writing and announcing capabilities required.

FINANCIAL AID COORDINATOR, University Park Responsible to the Director of Student Aid for counseling students on financial aid matters and for assistance in internal administration of financial aid programs. Also, coordinate University Athletic Grant Program and maintain liaison with Athletic Department. A master's degree or equivalent in student personnel services, counselor education, or higher education, plus up to one year of effective experience, is required. Appointment will expire June 30, 1980.

SENIOR PLANNING ANALYST — OFFICE OF PLANNING AND BUDGET, University Park Responsible to the Associate Director for Planning and Research, position involves developing, conducting, and monitoring planning and analytical studies, representing the Office of Planning and Budget on University-wide committees and performing such other staff functions as may be requested by the Director or Associate Director of the Office of Planning and Budget and the senior executives of the University. Master's degree or equivalent in higher education or other educational field, business administration, public administration, economics, or related field, and from two to three years of effective experience in higher education or corporate planning activity, are required. Earned doctorate or equivalent and from one to two years of effective experience are preferred.

PLANNING ANALYST — OFFICE OF PLANNING AND BUDGET, University Park Responsible to the Associate Director for Planning and Research, position involves the development and execution of research and/or planning studies, conducting extensive research of pertinent literature, and participation in developing recommendations on strategic policy planning issues as they affect the University. Bachelor's degree or equivalent in higher education or other educational field, business administration, economics, public administration, sociology, political science, or related field, and from two to three years of effective experience in policy, research, and planning activities in higher education or business and industry, are required. Master's degree or equivalent and from one to two years of effective experience are preferred.



During the years they spend at the University, some employees acquire new skills or knowledge as the result of taking courses, participating in training programs or through individual study. They may also gain experience in another field through outside activities.

When employees apply for promotion to another job, it is important that this new information be in their files, the Employment Division points out. However, unless employees provide such information about themselves, their files cannot be brought up to date.

The Employment Division urges that all employees periodically consider whether they can add to the information currently in their files. Persons who wish to add to their files should request a supplemental employment data sheet from the Employment Division, Room 117 Willard Building, 865-1387 (Network 475-1387).

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Tourism, travel committee set up

In recognition of tourism/travel as its growing field of academic study and its importance in the economic and social life of communities, a Tourism and Travel Research Committee has been established at the University.

The new committee will operate under the Regional Analysis Center of the Institute for Research on Land and Water Resources, according to Dr. Philippos J. Loukissas, assistant professor of urban and regional planning and one of the committee's organizers.

The decision to form the committee was made recently at a meeting of interested faculty members from such programs and departments as Man-Environment Relations, Food Service and Housing Administration, Sociology, Recreation and Parks, Regional Planning, Geography, Business Logistics, Community Development, and the Cooperative Extension Service. Paul Decker, director of the State Bureau of Travel Development, was a guest at the session.

Faculty interested in joining the committee should contact Dr. Loukissas, Man-Environment Relations, 5-126 Henderson Human Development Building, 865-1467.

Bergman film Oct. 9

Interested persons are invited to a classroom showing of Ingmar Bergman's *The Naked Night* from 7 to 10 p.m. Tuesday, Oct. 9, in Room 5-205 Henderson Human Development Building. The film will be shown in connection with IFS 598, "Issues in Aging."



Using an electric sander, a workman weaves a circular pattern as he smooths out the rough spots on the traffic deck over the HUB's old Terrace Room. The project is providing a new, weather-proof surface for the facility.

Penn State Intercom



The outdoor pool is still open for the hardy.

Senate passes 82-40 qualifier

Confronted by both amending and substitute motions for legislation affecting Academic Policy 82-40, the University Faculty Senate passed an interpretive motion originally proposed last month and sent the new measures to committee for study.

The motion passed at the Oct. 2 Senate meeting in essence confirms the right of the College of the Liberal Arts to maintain higher graduation standards than those previously approved by the Senate.

Liberal Arts is currently the only academic unit to whom the motion applies, but the two new motions would afford other colleges an opportunity to request more rigorous graduation requirements.

Senate Chairman George McMurtry, ruling that the amending and substitute motions constituted new legislation, referred them to the Committee on Undergraduate Instruction.

The only piece of new legislation before the Senate concerned the delegation of responsibility to the College of Medicine for its curricular matters.

It received strong support from the Intra-University Relations Committee and from President Oswald and Graduate School Dean James B. Bartoo. They pointed out that medical students are the only ones eligible to take the 700-level courses offered at Hershey, and indeed cannot enroll in any other courses, making the College unique in the Penn State system.

The Senate will vote on this legislation at its Nov. 13 meeting.

Post correspondent to speak

Karen DeYoung, the Latin American correspondent for the Washington Post, will speak on "Nicaragua and the Latin American Revolution" at 6:30 p.m.

Wednesday, Oct. 17, in Room 101 Chambers Building.

Her appearance is sponsored jointly by the Latin American Studies Committee, the School of Journalism and the College of the Liberal Arts. Ms. DeYoung will share insights gained during her recent assignments in Latin America, and particularly in Nicaragua, and will discuss the events now taking shape in the Caribbean.

Four films to be shown

The Central Pennsylvania Society of the Archaeological Institute of America will present four films, beginning at 7:30 p.m., on Tuesday, Oct. 16, in the HUB Assembly Room.

Two of the films — "The Viking Ships of Roskilde" and "The 100,000 Pieces Jigsaw Puzzle" — deal with the problems of shipwreck recovery and conservation. Produced for the Danish Government Film Office, these color films portray the technical difficulties and great bodily risks involved in working underwater.

The third film, "Archaeology of the Grand French Battery, Yorktown, Virginia," documents the excavation of the allied forces' siege line, which was constructed in 1781 and occupied by French troops. Aerial views of the excavation will be shown, counterpointed by close-ups of the reconstruction of the battery.

The program will conclude with "The Ancient World: Egypt."

The program is free and open to the public as part of the AIA's 100th anniversary celebration.

Open fires banned

Open fires, including camp fires, are not permitted at any time on the University farms and only in designated picnic areas on other University property, Howard O. Triebold Jr., manager of the Safety Services Division, reminds.

The Challenge of the '80s

Editor's Note: This article is the fourth in a series in which the academic deans reflect on what lies ahead for their colleges in the '80s.

The College of Engineering will be coping with the problems of success during the 1980s.

As of this Fall, Penn State will probably have the largest number of engineering students in the country, counting enrollments in mining, petroleum and natural gas engineering, which are lodged in the College of Earth and Mineral Sciences.

"The upsurge in enrollments is a national phenomenon," Dean Nunzio J. Palladino points out. "I think it's due to a perception on the part of parents and students that jobs exist at the end of the pipeline and that starting salaries are high. Their expectations are being fulfilled — to such an extent that our seniors feel disappointed if they have to continue fewer than three job offers and top students are getting six or more."

Government, industry and academe are all seeking more engineers, the result of greater public interest in improving control of the environment, increased government regulation, and the need to become more efficient in the face of energy inadequacies.

"I don't think that's going to change in



Dean Palladino

the next decade," Dean Palladino continues. "Greater emphasis is being put upon the reliability and liability aspects of everything manufacturers do. Even in the nuclear power field, which has faced recent setbacks in this country as far as

advances in the application of nuclear power, manpower needs continue to grow. As the government increases the intensity of its inspection of all nuclear engineering processes, manufacturers and utilities have to respond by adding technical personnel."

Nuclear engineering is hardly alone in its manpower needs. Dean Palladino points to a tour he made of the Beaver Valley region, which has both coal fired and nuclear power plants.

"Federal regulations require that coal fired plants incorporate huge scrubbers," Dean Palladino says, "and there have been many problems debugging them and keeping them on line. That's a reliability problem. Then there's all the sludge from coal firing. Attention to the disposition of waste of every kind will also make great demands on engineering talent for quite some time into the future."

"That's not to say that the demand for engineers will grow at a steady pace indefinitely," Dean Palladino adds. "There will still be perturbations as government changes its thrust. I'm certain that there will be some reaction to over-regulation eventually, and the government will reduce its hiring demands and then so will industry. There will then be a reaction to that, and another cycle of upsurge will begin. But I do believe the cycles will be minor compared to overall demand."

"So with respect to employment opportunities — and college enrollments —

I see the '80s representing a new and higher plateau around which minor oscillations will persist."

At Penn State, engineering freshman enrollments system-wide have grown from 1,005 in 1973 to close to 2,100 this Fall — an increase, incidentally, not shared by all engineering schools in Pennsylvania. At the University of Pittsburgh, for example, freshman enrollments in engineering actually declined slightly last Fall.

To handle the large number of students seeking engineering programs, the College

"I see the '80s representing a new and higher plateau around which minor oscillations will persist."

last year instituted a policy which permits them to enroll as freshmen, but requires them to earn at least a 2.3 cumulative grade point average before being allowed to enter a major.

In addition, engineering faculty members, used to teaching advanced courses in small sections, are seeking new instructional modes. A workshop was held in September to draw on the expertise developed by other colleges in handling

(Continued on page 4)

Penn Staters



Dr. Peter T. Luckle has been named professor of mineral engineering and chairman of the mineral processing section in the Department of Mineral Engineering. Since 1975, he has been corporate director for research and development for McNally Pittsburgh Manufacturing Corp. at its Kennedy Van Saun Corp. subsidiary in Danville, Pa.

Dr. Luckle, who has three degrees from Penn State — a B.S. in fuel technology (1960), an M.S. in mineral preparation (1969) and a Ph.D. in mineral processing (1972), has been an adjunct associate professor of mineral processing at the University since 1976.

He joined the Kennedy Van Saun Corp. in 1972 and was promoted in 1975 to the position he is now leaving. For the past four years, he was responsible for directing a diversified research program, including work in such areas as pyroprocessing, comminution, fluid-bed drying, flowsheet analysis, coal preparation ahead of liquefaction and gasification, and pyrite sulfur reduction.

Dr. William S. Pierce, professor of surgery at Hershey, co-chaired the first United States-Union of Soviet Socialist Republics Symposium on Mechanically Assisted Circulation, held in Tbilisi, Georgia, U.S.S.R., Sept. 20 to 22. Dr. Pierce presented a paper at the symposium entitled, "Total Heart Replacement with Modified Sac-Type Ventricles."

During her recently completed leave of absence, Jean Sabatine, an associate professor in the Department of Theatre and Film, was commissioned by the Kennedy Center to choreograph the "Three Dance Episodes" from Bernstein's *On the Town* for the National Symphony Magic of Musical Theatre program at the Kennedy Center in Washington, D.C. Prof. Sabatine was also commissioned by the New Hampshire Commission on the Arts to choreograph two works for a newly formed Jazz Dance Company.

Dr. John W. White, professor of floriculture, has received the Alex Laurie Award for Education and Research from the Foundation of Floriculture. The award was presented at the recent annual meeting of the Society of American Florists in San Francisco and recognizes Dr. White's research in the physiology and nutrition of floral crops.

Dr. Lee C. Eagleton, professor and head of the Department of Chemical Engineering, has been named a Fellow of the American Institute of Chemical Engineers. He was elected for his contributions to the advancement of the vaporization of liquids, kinetics of catalytic processes and reactor design.

Dr. Don N. Page, assistant professor of physics, presented a series of invited lectures on black holes at the William Jewell College in Liberty, MO, last month. Dr. Page also presented a paper, "Green's Functions for Gravitational Multi-Instantons" this week at the physics seminar of S.U.N.Y.-Stony Brook's Institute for Theoretical Physics.

Dr. Frederick F. Weiner has been named professor-in-charge of the Speech Pathology and Audiology Program and director of the Speech and Hearing Clinic. Dr. Weiner came to Penn State in 1976 as an associate professor of speech pathology. He had previously served on the faculties of the University of Maryland and Ohio University. His bachelor's, master's and doctoral degrees were granted by Wayne State.

Dr. Emily Toth, assistant professor of English, is co-editor of a new book, *A Kate Chopin Miscellany*, with Per Seyersted of the University of Oslo. The book includes Chopin's diaries, letters, unpublished stories and criticism, along with a bibliography. It is the first book published by the Northwestern State University Press in Natchitoches, LA.

Dr. Emilla E. Martinez-Brawley, assistant professor of social welfare, has been appointed to the editorial board of *Human Services in the Rural Environment*, a national journal published by the School of Social Work at the University of Tennessee.

Dr. Robert W. Ott, associate professor of art education, recently presented a seminar on museum education at the University of Regina in Saskatchewan, Canada. Dr. Ott was also an interviewed guest on "A.M. Canada," CBC, a Canadian national television program similar to NBC's "Today Show."

Dr. Joachim F. Wohlwill, professor of human development, was an invited speaker at a Conference on Developmental Psychology held at the Technical University in Berlin Oct. 1-3. He spoke on "Ecological Approaches in Developmental Psychology."

Mark D. Shaw, associate professor of agricultural engineering, was part of a 15-person delegation of American engineers, scientists and technologists who visited the People's Republic of China Aug. 18-Sept. 8. The group discussed methods of cooperative technological exchange. Prof. Shaw had previously worked in China in 1946-50 with the American Friends Service Committee.

Kenneth R. Beittel, professor of art education, spent a week in residency as a Visiting Artist at Shepherd College, Shepherdstown, WV, Sept. 17-24.

Women's gymnastics coach Judi Avenier has been appointed to the Association for Intercollegiate Athletics for Women National Gymnastics Committee.

Stephen Sherman, assistant professor of art, is displaying his work in a one-man show at the College of William and Mary through Nov. 1.

David F. Wood was promoted to assistant professor of business administration at the Beaver Campus, effective Sept. 1.

Retirements

Elizabeth J. Morrow retired as an admissions counselor in the Division of Admissions, Records and Scheduling on Oct. 1. She had held that position for 25 years.

Ms. Morrow taught music in West Sunbury and Warrior's Mark before joining the Penn State staff in 1954. She was not a newcomer to Penn State, however. Her father, David McFarland, served as head of the Metallurgy Department, and Ms. Morrow graduated from Penn State in 1937, earning her degree in music education.

As an admissions counselor, Ms. Morrow interviewed and evaluated applicants who hoped to come to Penn State as undergraduate students.

Ms. Morrow, who has one daughter, resides in Centre Hall.

Elizabeth H. Thomas retired from her position as associate librarian at the Mont Alto Campus on Oct. 1.

Ms. Thomas received her A.B. from Smith College and an M.S. in library science at the Catholic University. She held positions as a librarian at the University of New Hampshire and Mount Vernon Junior College before joining the University's staff in 1963.

At first, she recalls, Mont Alto's library was hardly more than "a pile of books on the floor" housed in a classroom. But by the time she retired, the library had moved into its own building and the collection had grown to some 30,000 books.

As associate librarian, Ms. Thomas made the final decision on book purchases, supervised para-professionals, part-time help and student workers, and handled the many other varied duties necessary to keep a library in operation.

Ms. Thomas plans to spend much of her retirement time in her Chambersburg home writing a book on the history of the Pennsylvania State Forest Academy, from which Mont Alto evolved.

Appointments

Allentown

Wendy N. Greenburg as assistant professor of French, B.A., Barnard College; M.A., M.Phil., Ph.D., Columbia U. Formerly instructor, Columbia U.

Altoona

Michael Volpe as assistant professor of speech communication, A.B., Temple U.; M.A., Penn State; Ph.D., Temple U. Formerly assistant professor, U. of Virginia.
Bradley W. Jackson as assistant professor of mathematics, B.S., U. of Oregon; M.A., Ph.D., U. of Maryland.

Beaver

Constantin Pomponiu as assistant professor of physics, M.S., Ph.D., U. of Bucharest. Formerly research physicist, Carnegie-Mellon U.
Abbas M. Shakir as assistant professor of mechanical engineering, B.S., M.S., Weimar U., Germany; Ph.D., U. of Leipzig, Germany. Formerly head of Electro-Mechanical Dept., Aiken Technical College, Aiken, SC; head of Mathematics Dept., Boggs Academy, Keysville, GA.
Robert S. Cole as instructor of accounting, B.S.B.A., Shippensburg State College; M.S.B.A., U. of Northern Colorado.

Behrend College

Kent M. Beck as assistant professor of history, B.A., Cal State U.-Fullerton; M.A., Ph.D., U.C.-Irvine. Formerly visiting assistant professor, U. of Nebraska-Lincoln; instructor, Cal State-Fullerton.
James M. Davis Jr. as assistant professor of English, B.A., U. of Maryland; M.A., Johns Hopkins U.; Ph.D., U. of Southern Mississippi. Formerly instructor, U. of Southern Mississippi, Allegany Community College, Cumberland, MD.

Juan Fernandez-Jimenez as assistant professor of Spanish, B.A., Escuela Normal de Jaen, Spain; M.A., Ph.D., U. of North Carolina. Formerly visiting assistant professor, North Carolina State U.

John F. Wellington as assistant professor of business, B.S., Gannon College, Erie; M.S., Lehigh U.; Ph.D., S.U.N.Y.-Buffalo. Formerly instructor, S.U.N.Y.-Buffalo; assistant professor, Gannon College.

Dana D. Anderson as instructor in psychology, B.A., Antioch College; M.A., A.B.D., Ohio State U. Formerly intern, Shands Teaching Hosp., Gainesville, FL.
John F. McDiarmid as instructor of English, B.A., Swarthmore College, M.Phil., Yale U. Formerly instructor, Southwest Texas State U.; assistant professor, St. Anselm's College, Manchester, NH.

James W. Weber as instructor of political science, B.A., Illinois State U.; M.A., U. of Kansas; Ph.D. candidate, U. of Kansas. Formerly visiting instructor, Northern Illinois U.

Capitol Campus

Harold J. Hoy as instructor of marketing, B.S., Penn State; M.B.A., U. of Hartford; Ph.D., U. of Connecticut. Formerly instructor, Central Conn. State College.

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United Way

United Way contributes University-wide support over 500 agencies. Services include broad categories such as family counseling, health care, day care, education, and youth and social development.

Delaware County

Ronald H. Case as instructor of health, physical education and recreation, B.S., M.S., S.U.N.Y. College at Cortland. Formerly teacher/coach.

Hazleton

Donna Kuunagel as assistant professor of mathematics, B.S., U. of Nebraska; M.S., Rutgers U.; Ph.D., Lehigh U. Formerly lecturer, Lehigh U.

Hershey

Anita K. Hopper as associate professor of biological chemistry, B.S., Ph.D., U. of Illinois. Formerly associate professor, U. of Mass. Med. School.
James E. Hopper as associate professor of biological chemistry, B.S., M.S., Ph.D., U. of Wisconsin. Formerly adjunct assistant professor, Brandeis U.
Danielle K. Baul as assistant professor of radiology, B.A., Trinity U. of Texas; M.D., Temple U. School of Medicine. Formerly clinical fellow, Childrens Hosp. Med. Ctr., Boston; resident, Temple U.
James M. Gerson as assistant professor of pediatrics, B.A., Washington and Jefferson College; M.D., Jefferson Medical College. Formerly clinical immunologist and senior investigator, National Cancer Institute.
Evelyn L. Kinney as assistant professor of medicine, B.S., City College of New York; M.D., S.U.N.Y. Downstate Med. Ctr.-Brooklyn. Formerly cardiology fellow, Hershey; intern, D.C. Gen. Hosp.-Wash., Yale U.
Fred R. Sattler as assistant professor of medicine and microbiology, B.S., U.C.L.A.; M.D., U.S.C. Formerly fellow, Stanford U. Med. Ctr., Kaiser Permanente Med. Ctr.

Obituaries

Charles W. Harkinson, a houseman with Housing and Food Services from 1951 to 1964, died Sept. 29. He was born in Coburn, Pa., on Dec. 24, 1900.

M. Marie Krape, a clerk in the University Libraries since 1973, died Sept. 23. She was 60 years old and a native of Walker Township.

JoAnne E. Madden, a clerk-stenographer in the Controller's Office, died Sept. 25 at the age of 47. A Huntingdon, Pa., native, she worked at the University from 1975 until her retirement on disability in March of this year.

Margaret G. Woomey, a residence hall worker with Housing and Food Services from 1959 to 1975, died Sept. 21. Born in Birmingham, Pa., she was 68 years old.

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University Park Calendar

Oct. 11 - 21

Special Events

Thursday, Oct. 11
Exhibiting "79 Candlelight Dinner, 4:45-6:45 p.m., HUB Terrace Room.
Religious Affairs Office, 10 part film, "How Should We Then Live?" 7:30 p.m., Memorial Lounge, Eisenhower Chapel.
URTC, *The Shadow Box*, 8 p.m., The Playhouse.

Friday, Oct. 12
Penn State Press exhibit, "Best Designed Books of the Year," 9 a.m.-4 p.m., Kern Lobby.
Aeolian Chamber Players perform Schuller's "Serenata," 11 a.m., Music Bldg. Recital Hall. Free. Sponsored by IAHS.

Sports: JV football, vs. Millford Academy, 2 p.m.; soccer, vs. Maryland, 8 p.m.
Geography Dept. coffee and lecture, 3:45 p.m., Room 319 Walker. Joseph Kockelmann, philosophy, on "Critique of Scientific Reason."

Homecoming '79 Candlelight Dinner, 4:45-6:45 p.m., HUB Terrace Room.

Homecoming parade, 7 p.m., College Ave.; followed by **Clee Club** Collegiate Ceremony, Old Main steps, bonfire, 10 p.m., Beaver Stadium; all night vigil, midnight, Lion Shrine.

France-Cinema, *Scola, We All Loved Each Other So Much*, 7 and 9 p.m., Room 112 Kern.

Colloquy/USG/IFC, Gil Eagles discusses ESP and hypnosis, 8 p.m., Eisenhower Auditorium. Free.

Shaver's Creek Nature Center, Star Watch with John Farr, 8-9 p.m., parking lot on Rt. 26 south of State College. Cancelled if cloudy.

URTC, *The Shadow Box*, 8 p.m., The Playhouse.

Artist Series, The Aeolian Chamber Players, 8:30 p.m., Schwab.

Saturday, Oct. 13

Sports: men's fencing, vs. Alumni, 8 a.m.; women's and men's cross country, Penn State Open, 10:30 a.m.; football, vs. Army (Homecoming), 1:30 p.m.

Homecoming Oktoberfest, Nittany Lion Inn, following football game.

Commonsplace Theatre, *Pink Floyd: Live at Pompeii*, 7, 8:30 and 10 p.m., Room 112 Kern.

Campus 4-H All-University Square Dance, 7:30 p.m., Room 312 HUB.

Penn State Glee Club, Homecoming Concert, 7:30 p.m., Eisenhower Auditorium. Free.

URTC, *The Shadow Box*, 8 p.m., The Playhouse.

Sunday, Oct. 14

PSOC Hiking Division, "Flaming Fall Foliage Hike," Thickhead Wild Area, 9 a.m., HUB parking lot.

University Choirs Special Homecoming Chapel Service, 11 a.m., Music Bldg. Recital Hall.

Sports: soccer, vs. LaSalle, 1:30 p.m.

Shaver's Creek Nature Center, Winter Weeds Walk, 2 p.m., Stone Valley.

Commonsplace Theatre, *Pink Floyd: Live at Pompeii*, 7, 8:30 and 10 p.m., Room 112 Kern.

Opening Reception, Aaron Siskind, photographer, 7-9 p.m., Zoller Gallery.

Monday, Oct. 15

HUB Craft Center, members and instructors work accepted for Nov. show, through Oct. 17, Room 312 HUB.

Shakespeare Film, *Oliver, Hamlet*, 6:30 p.m., Room 112 Chambers. Free.

France-Cinema, *We All Loved Each Other So Much*, 7 and 9 p.m., Room 112 Kern.

Color Slide Club meeting, 7:30 p.m., Room 189 MRL.

Monday, Bedford, oboe, 8:30 p.m., Music Bldg. Recital Hall. Free.

Tuesday, Oct. 16
Deadline for reserve reading lists for Winter Term 1980, Reserve Reading Room, W 11 Pattee.

Comp. Lit. Luncheon, 12:15 p.m.; talk, 1 p.m., Hotel State College. Edwin Whitmore, specialist in African studies and a poet, Univ. of Singapore, speaks.

Sports: exhibition baseball, vs. Indiana, 2 p.m.; women's volleyball, vs. Pittsburgh, 7 p.m.; Campus Collegues, Social Hour, 4:30-6:30 p.m., Assembly Room, Nittany Lion Inn.

Archaeological Institute of America Films, 7:30 p.m., HUB Assembly Hall. "Ancient Egypt" "The Viking Ships of Roskilde," "The 100,000 Piece Jigsaw Puzzle," "Archaeology of the Grand French Battery, Yorktown, Va." Free.

GSA, Insurance Workshop, 7:30 p.m., Room 101 Kern.

Artists Series Film, Akira Kurosawa, *Dersu Uzaa* (The Hunter), 8 p.m., Schwab.

URTC, *The Shadow Box*, 8 p.m., The Playhouse.



Beverly (Gloria Rossi) tells her ex-husband, Brian (Stephen D. Keener), and his friend, Mark (John Berg), how she got her jewelry. The three are cast in *The Shadow Box*, a Pulitzer Prize winning drama by Michael Cristoforo. The play, which drew unanimously enthusiastic reviews from the New York critics, is at the Playhouse through Oct. 20. Reservations and tickets are available at 865-1884.

Wednesday, Oct. 17

Commons Center, Weststone Run String Band.

URTC, *The Shadow Box*, 8 p.m., The Playhouse.

Alard String Quartet, 8:30 p.m., Music Bldg. Recital Hall. Free.

Thursday, Oct. 18

Commons Videotape, "TV Quarterback," noon, Kern Lobby.

GSA, Sick Plant Clinic, 7:30 p.m., Room 101 Kern.

Religious Affairs Office, 10 part film, "How Should We Then Live?" 7:30 p.m., Memorial Lounge, Eisenhower Chapel.

Amnesty International Lecture, 8 p.m., Room 101 Kern. Helen Scoville, Amnesty International, Washington, D.C., speaker.

URTC, *The Shadow Box*, 8 p.m., The Playhouse.

Friday, Oct. 19

Commonsplace Theatre, *Alice's Restaurant*, 7 and 9 p.m., Room 112 Kern.

Sports: soccer, vs. Fordham, 7:15 p.m.

Shaver's Creek Nature Center, slide program of birds of prey, "Raptors of New England," 7:30 p.m., Stone Valley.

URTC, *The Shadow Box*, 8 p.m., The Playhouse.

Saturday, Oct. 20

Sports: women's tennis, vs. Michigan, 10 a.m.; men's cross country, vs. Auburn, St. Joseph's and Wisconsin, 11 a.m.

Artists Series, *Little Red Riding Hood*, opera for children, 10:30 a.m. and 2:30 p.m., Schwab.

France-Cinema, *Clara Corretta, The Lacemaker*, 7 and 9 p.m., Room 112 Kern.

URTC, *The Shadow Box*, 8 p.m., The Playhouse.

Penn State Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Shakespeare Film, WPSX-TV, BBC's *Romeo and Juliet*, 9 p.m., Room 123 Chambers.

Sunday, Oct. 21

Sports: women's tennis, vs. Harvard, 10 a.m.

Exhibits

Chambers Gallery: Graduate and Undergraduate Students' Drawings.

HUB Galleries: Denise Faleski, recent works; Penn State Room, PSU memorabilia; LaVie exhibit, Art Alley. Rome Hanks and Mary Edith Miller, recent photographs, Browsing Gallery. Nick Webb and John Warfel, pots, The Gallery.

Kern Commons Galleries: Tsing-fang Chen, paintings; Harriet Rosenberg, mixed media; through Oct. 20; Roy Fender, "Hamburger Ceramics," opens Oct. 20.

Museum of Art: European works and 19th century American paintings, prints and drawings from the permanent collection, recent paintings and drawings by George Zoretich, through Oct. 21.

Pattee Library: Peter Gould, photographs, "Wittgenstein's Vienna," Main Lobby. Peter Greene, paintings, Lending Services Lobby.

Visual Arts Bldg. Zoller Gallery: Siskind Photographic Show, opens Oct. 14.

Seminars

Thursday, Oct. 11

Engineering Science and Mechanics, Gian Felcher, solid-state science division, Argonne National Laboratory, on "Intense Pulse Neutron Source (IPNS) in Condensed Matter Research," 4 p.m., Room 152 Hammond.

Philosophy, Donald Verene, philosophy, on "Rhetoric and Imagination: Topic and Metaphor Giambattista Vico," 4 p.m., Room 75 Willard.

Computation Center, Daniel L. Bernitt, senior research associate, on "APL (2 of 6)," 7:30 p.m., Room 108 Forum.

Monday, Oct. 15

Plant Pathology, Jaime Castano, grad. student, on "The Role of Water Loss in Etiology of Physiological Deterioration of Harvested Cassava Roots," 3:55 p.m., Room 213 Buckout.

Computation Center, Daniel L. Bernitt on "APL (3 of 6)," 7:30 p.m., Room 108 Forum.

Tuesday, Oct. 16

Chemistry and Properties of Macromolecules, A.N. Gent, polymer physics, Univ. of Akron, on "Physical and Chemical Aspects of Adhesion," 11:10 a.m., Room 333 Whitmore.

Organic/Inorganic Chemistry, Stephen Ransom, grad. student, on "NMR of Living Organisms," 12:45 p.m., Room 333 Whitmore.

Air Pollution Control, Nelson Kelly, General Motors Research Center, Warren, MI, on "Ozone Measurements at a Remote

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

South Dakota Site, 2:20 p.m., Room 140 Fenske.
Geosciences, MacKenzie Keith, geochemistry emeritus, on "Cretaceous Volcanism and the Disappearance of the Dinosaurs," 3:45 p.m., Room 112 Walker.

Astronomy, Craig L. Sarazin, Univ. of Virginia, on "Beam Models for SS433," 4 p.m., Room 445 Davy.

Wednesday, Oct. 17
College of Agriculture, R.W. Richardson, retired director, The Division of Natural and Environmental Sciences, Rockefeller Foundation, on "Seeking Funds from Private and Public Foundations," 4 p.m., Room 301 Ag. Admin. Bldg.

Thursday, Oct. 18

Ceramic Science, Joseph Balsacio, Motorola, Inc., on "Growth and Characterization of Quartz Crystals," 11 a.m., Room 301 Steidle.

Chemistry, John Sinfied, Exxon Research and Engineering Co., Linden, NJ, on "The Structure of Metal Catalysts," 12:45 p.m., Room 333 Whitmore.

Physics, V. Narayanamurti, Bell Labs, on "Phonon Optics," 3:50 p.m., Room 445 Davy.

Meteorology, Robert F. Abbey, Jr., U.S. Nuclear Regulatory Commission, on "The NRC's Meteorology Research Program in Meteorology: Severe Storms and Atmospheric Dispersion," 3:55 p.m., Room 112 Walker.

Fuel Science, Norman Deno, chemistry, on "Simplicities in the Chemical Structures of Coals," 4 p.m., Room 301 Steidle.

Computation Center, Daniel L. Bernitt, on "APL (4 of 6)," 7:30 p.m., Room 108 Forum.

Friday, Oct. 19

Mathematics, Jean Pierre Serre, College de France, on "Varieties Over Finite Fields: From Weil to Deligne," 4 p.m., Room 104 McAllister.

Philosophy, Mikael Dufrenne, Univ. of Paris, on "Sublimation and Desublimation in Art," 4 p.m., Room 101 Kern.

Campus Update

Construction of the new physical education/convoocation building at the Berks Campus is ahead of schedule. The \$1.3 million building will be under roof by mid-October. Dr. Harold W. Perkins, Campus director, says the building's completion is scheduled for June 1980, and the new facility should be available for use by next fall.

An endowment fund has been established at the Fayette Campus to support projects and activities for which general funds are not available.

The initial principal of the fund, \$5,000, has been contributed by the Fayette Campus Advisory Board, according to Campus Director Hugh M. Barclay.

Expenditures from the fund may be made for, but not limited to, the following purposes: capital improvements to existing structures, improvement of Campus grounds, financial assistance to Fayette Campus students, library acquisitions, purchase of specialized instructional equipment, special projects which enhance the academic programs, and support of the arts through programs of art exhibits, professional entertainment and other cultural events.

The number of expenditures approved each year, and the amount of each, will depend on the earnings the fund generates. Expenditures will be approved by a committee consisting of the Campus Director, the Executive Committee of the Fayette Campus Advisory Board, and the Chairman of the Fayette Campus Faculty Senate.



The Aeolian Chamber Players (above) will perform selections from Brahms, Crumb and Schuller, Friday night as a part of the Artists Series. An exhibition of photographs by Aaron Siskind will open at the Zoller Gallery. Siskind's photography was influenced by the works of the abstract expressionists. "Lima 59" at right was part of an exhibit, "Homage to Franz Kline" which Siskind had at the University of Chicago in 1973.

Arts Roundup

Aeolian Chamber Players to offer Brahms, modern works

The Artists Series will present the Aeolian Chamber Players in concert at 8:30 p.m. Friday, Oct. 12, in Schwab Auditorium.

The Aeolian Chamber Players was formed in 1961 by Lewis Kaplan to preserve the rich, but rarely heard, chamber repertoire for the mixed timbres of strings and winds.

Attracted by the group's flexible instrumentation and musical excellence, such composers as Berio, Crumb, Rochberg, and Subotnick have written especially for them. The Aeolians have thus developed an extensive repertoire of traditional and contemporary works.

The members of the ensemble include its founder, Mr. Kaplan, a violinist and a member of the faculty at Juilliard School; Ronald Thomas, cello, winner of the 1974 Young Artists Auditions; Thomas Hill, clarinet, a graduate of the New England Conservatory and soloist with the Boston Symphony and the Cleveland Symphony; and Jacob Maxin, piano, a graduate of the Juilliard School, where he also taught.

The program will include "Dream Sequence" by George Crumb, Sonata-Serenata by Gunther Schuller, and Trio in A Minor, Op. 114 by Johannes Brahms.

Tickets are on sale at Eisenhower Auditorium Box Office until 4 p.m. on Oct. 12. The Schwab Auditorium Box

Office will open at 7 p.m. the evening of the performance.

Alard to present premiere of Play Quartet

The Alard Quartet will present the U.S. premiere of Play's Quartet in E Flat Major, Opus 1, Number 2 at 8:30 p.m. Wednesday, Oct. 17, in the Music Building Recital Hall.

Playel, an Austrian, was a student of Haydn. His quartet was discovered in a library in Munich by members of the Vilnius Quartet, a group of Lithuanian players, who gave it to the Alard.

Other works on the program include Ginastera's Second String Quartet and Debussy's Quartet in G Minor, Opus 10. The Alard's members, who are associate professors of music, include Joanne Zagst Feldman and Donald Hopkins, violins; Raymond Page, viola; and Leonard Feldman, cello.

Reception to be held for photographer

A reception for photographer Aaron Siskind will be held from 7 to 9 p.m. Sunday, Oct. 14, in the Zoller Gallery, where his photographs will be on display through Nov. 4.

Mr. Siskind, who began his career as a documentary photographer in the early '30s, became interested in the concept of photography as art through his acquaintance with the work of the abstract

expressionist painters. Exhibitions of his work have been held at New York's Egan Gallery and the George Eastman House in Rochester. Mr. Siskind is currently on the faculty of the Rhode Island School of Design.

Sunday's reception is free and open to the public.

Britton work featured in Bedford recital

"Six Metamorphoses After Ovid" by Benjamin Britten will be featured in a recital by oboist Monte Bedford on Monday, Oct. 15, at 8:30 p.m. in the Music Building Recital Hall.

According to Mr. Bedford, the Britten piece is "a descriptive instrumental setting for classical poetry" and the first major composition written for unaccompanied oboe.

Also on Mr. Bedford's program is the Concerto VI in B Flat Major by Francois Couperin, Sonata III by Thomas Arne and two sonatas by Domenico Scarlatti.

Mr. Bedford will perform another early piece for unaccompanied oboe, Ernst Krenek's Sonatina, followed by "Arioso" by J.H. Flocco. The "Siciliano" from the E Flat Flute Sonata by J.S. Bach is also on the program, and the recital will conclude with Alessandro Marcello's Concerto in C Minor.

Mr. Bedford will be accompanied in the recital by cellist Leonard Feldman and by harpsichordist Frances Bedford of the University of Wisconsin-Parkside.

The 80's

(Continued from page 1)

large classes. In another step toward this goal, Mechanical Engineering has received an instructional improvement grant to create various audio-visual devices necessary for communication with the growing number of students taking thermodynamics courses.

"The same job market that has brought students flocking to engineering colleges is also luring faculty away and that exacerbates our problems in handling the increased teaching load," Dean Palladino notes. "The problem is further compounded because there isn't a large pool of engineers in State College on whom we can draw for temporary instructors."

Prospective faculty members are not the only ones in engineering to desert academe for high paying jobs in the marketplace. Attracting able graduate students has become increasingly difficult, according to Dean Palladino. It's hard to convince a senior who has been offered an entry level salary of \$17,000 (or more) of the value of an advanced degree.

"Our location works against us here to some extent, too," Dean Palladino comments. "Schools in metropolitan areas can offer evening master's degree programs for engineers already in the field."

"A lack of graduate students, combined with heavier undergraduate teaching loads, hampers the research productivity of our faculty members. Bolstering graduate enrollment will be one of our priorities for the eighties."

Engineering's biggest problem during the next decade, according to Dean Palladino, will be equipment obsolescence. Much of Penn State's equipment is aging and is becoming technically obsolete. Replacement costs have soared.

"I think the College is going to have to mount a massive campaign — \$4 or \$5 million will be needed — to deal with this problem," Dean Palladino says. "One of the things we are going to try to do this year is to begin to plan how to attract more funds from industry and alumni."

What does Dean Palladino see as the major growth areas for engineering enrollments during the next decade?

"Chemical engineering is probably the fastest growing department in the College right now," he says. "When the Penn State Scholars came in last summer, we didn't select a room big enough to accommodate all the students who wanted to talk to someone about chemical engineering."

"I think we will see continued growth in industrial, mechanical and electrical engineering. Architectural and civil engineering have had big growth spurts, and they are beginning to level off. As for nuclear engineering, Penn State has one of the best university nuclear reactor facilities in the nation; we are still holding our own in enrollment, but whether we continue to grow remains to be seen. Bioengineering is another area with great potential, particularly for graduate students. Penn State's work in producing a new heart pacemaker and in developing an artificial heart has attracted worldwide attention."

One of the challenges facing society during the eighties, Dean Palladino believes, is providing academic balance in college and university curricula, not only for engineers but for students in other disciplines.

"Many students in non-engineering programs graduate as technical illiterates," he says. "Too often people who have no idea of what happens, for example, when they switch on a light, will go out and protest against the building of a new refinery or power plant."

"I think we as educators must develop programs that make educated people conversant with the systems and equipment with which they daily deal."

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt are being listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Oct. 18, 1979. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (P5-3) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

COORDINATOR, ONCOLOGY PROGRAM, Hershey. — Responsible to the Chief, Division of Oncology, for administrative details and day to day functioning of the Central Pennsylvania Oncology Program. Bachelor's degree in business administration or equivalent and one to two years' effective experience required.

SENIOR PLANNING ANALYST - OFFICE OF PLANNING AND BUDGET, University Park. — Responsible to the Associate Director for Planning and Research. Position involves developing, conducting and monitoring planning and analytical studies, representing the Office of Planning and Budget on University-wide committees, and performing such other staff functions as may be requested by the Director or Associate Director of the Office of Planning and Budget and the senior executives of the University. Requirements include a master's degree or equivalent in higher education or other educational field, business administration, public administration, economics, or related field, and from two to three years of effective experience in higher education or corporate

planning activity. Earned doctorate or equivalent and from one to two years of effective experience are preferred. Special consideration will be given to candidates with a graduate degree in one of the disciplines and with experience as a faculty member in a university. THIS IS A REANNOUNCEMENT OF AN EARLIER POSITION VACANCY ANNOUNCEMENT. APPLICANTS WHO HAVE EXPRESSED INTEREST IN THE EARLIER ANNOUNCEMENT NEED NOT REAPPLY.

PLANNING ANALYST - OFFICE OF PLANNING AND BUDGET, University Park. — Responsible to the Associate Director for Planning and Research. Position involves the development and execution of research and/or planning studies, conducting extensive research of pertinent literature, and participation in developing recommendations on strategic policy planning issues as they affect the University. Bachelor's degree or equivalent in higher education or other educational field, business administration, economics, public administration, sociology, political science, or related field, and from two to three years of effective experience in policy, research, and planning activities in higher education or business and industry are required. Master's degree or equivalent and from one to two years of effective experience are preferred. Special consideration will be given to candidates with experience in institutional research and both a conceptual and working knowledge of statistical applications. THIS IS A REANNOUNCEMENT OF AN EARLIER POSITION VACANCY ANNOUNCEMENT. APPLICANTS WHO HAVE EXPRESSED INTEREST IN THE EARLIER ANNOUNCEMENT NEED NOT REAPPLY.



The University annually receives grants for projects designed to fulfill specific research responsibilities.

Often the research grant or project is of

relatively short or temporary duration. In most instances, University project administrators must react quickly in making selections of support staff personnel for their projects. Therefore, it is desirable to have an available pool of faculty and staff members who are interested in applying for such research support staff positions.

This announcement is made so that qualified individuals may make their interests known. The types of temporary research support staff positions typically available are: Senior Project Associate, Project Associate, Project Assistant, Senior Research Technologist, Research Technologist and Research Technician.

The types of discipline backgrounds required vary depending on the projects involved. They may include physics, engineering, agriculture, mathematics, and chemistry, but are not limited to these areas.

If you apply, your name will be placed in the pool of candidates that will be considered as such opportunities arise. An announcement similar to this will be made each six months.

If you feel that you are interested in and have background related to typical University research projects, you may apply now or in the future for such temporary research support staff positions by calling the University's Employment Div., 865-1387 (network 475-1387).

Penn State Intercom

News in Brief

MIT psychohistorian to visit Oct. 22-23

Bruce Mazlish, historian and the author of several books combining psychoanalytical and historical perspectives, will visit the University for two days of lectures and seminars on Monday and Tuesday, Oct. 22 and 23.

Dr. Mazlish is the author of recent major studies of Henry Kissinger, James and John Stuart Mill and Richard Nixon. A new book, *Jimmy Carter: A Character Portrait*, is scheduled for publication in January.

At 8 p.m. on Oct. 22, he will address the Religious Studies Colloquium in Room 101 Kern Bldg. on the topic, "The Narcissistic Character of our Time." Following a 12:15 p.m. luncheon at the Hotel State College on Oct. 23, he will speak at 1 p.m. on "Freud and Biography."

At 3:45 p.m. on Oct. 23, he will address the History Colloquium on "The Uses and Abuses of Psychohistory: Kissinger and Carter" in Room 101 Kern Bldg. All three programs are free and open to the public.

Dr. Mazlish is professor of history and head of the Humanities Department at the Massachusetts Institute of Technology. He previously served on the faculties of Columbia University and the University of Maine, and was director of the American School in Madrid.

A Fellow of the American Academy of Arts and Sciences, he was a visiting member of the Institute for Advanced Study in Princeton in 1972-73. He has also been a consultant to the American Psychiatric Association's Task Force on Psychohistory.

In 1960 he co-authored *The Western Intellectual Tradition* with Jacob Bronowski.

His visit to the University is sponsored by the Episcopal Ministry at Penn State, Lutheran Student Parish, Penn State Catholic Center, United Ministry at Penn State, Office of Religious Affairs, Department of Religious Studies, Department of History and Institute for the Arts and Humanistic Studies.

Mathematician to offer Chemerda lecture series

Mathematician Mark Kac, a member of the National Academy of Sciences, will offer the second annual John M. Chemerda Lectures in Science from Oct. 29 through Nov. 1.

Each of Dr. Kac's four public lectures will be presented at 4 p.m. in Room 333 Whitmore Laboratory. His topics will be "When is Random Random? I and II" and "Probabilistic Aspects of Some Problems: Mathematics and Mathematical Physics I and II."

The lectures are sponsored by the College of Science. Dr. Kac, who is professor of mathematics at the Rockefeller University, is an authority on probability theory and on its relation with mathematical analysis and physics. As a speaker, he is noted for his effective and sometimes dramatic presentation of the relationships between mathematics and the applied sciences.

He has published more than 150 articles, monographs and books on probability theory, mathematical analysis, and statistical physics, including the well known volume, *Probability and Related*



After 29 years at Penn State, tree surgeon Joseph Gardner has been around long enough to begin taking down some of the trees he planted.

Topics of Physical Sciences.

He has been the recipient of numerous professional honors and awards, including the 1950 and 1968 Chauvenet Prizes of the Mathematical Association of America. In 1976 he received the Jurzykowski Foundation Award in Science and in 1978 the Birkhoff Prize of the American Mathematical Society and the Society for Industrial and Applied Mathematics. He is a member of the American Academy of Arts and Sciences, the American Philosophical Society and the Royal Norwegian Academy of Science.

The Chemerda Lectures are named in honor of John M. Chemerda '35 and are supported by a grant from Dr. Chemerda's former employer, Merck & Co., Inc., in recognition of Dr. Chemerda's research contributions to the company.

Bloodmobile at HUB

The Bloodmobile will be at the HUB Ballroom from 10 a.m. to 4 p.m. on Tuesday and Wednesday, Oct. 23-24.

Comparative economics to be discussed by two speakers

The Department of Economics will bring two distinguished speakers to the University next week as part of its public lecture series on comparative economic systems.

Prof. Alec Nove, head of the Department of International Economic Studies at the University of Glasgow, Scotland, will speak on "Soviet Economic Reforms" at 7:30 p.m. Monday, Oct. 22, in Room 115 Electrical Engineering West. Prof. Nove is editor of *Soviet Studies* and the author of *The Soviet Economic System*, *The Soviet Economy*, and numerous studies on Soviet economics. His lecture is being co-sponsored by the Slavic and Soviet Language and Area Center.

Prof. Eugene Zaleski, of the University of Paris and a member of the Centre Nationale de la Recherche Scientifique, will speak on "Disturbances in the Soviet Economy: From Stalin to Brezhnev" at 7:30 p.m. Thursday, Oct. 25, in Room 101

Kern Graduate Building. Prof. Zaleski, editor of the journal, *Comparative Economics*, is the author of several books on the Soviet economy.

Save bumper stickers

Faculty and staff members who trade vehicles can save \$10 by returning all the fragments of their University parking bumper stickers or permits to their parking representatives.

If complete remnants are not returned, a \$10 fee must be charged for the issuance of replacement stickers, according to Allan Derzak, University parking coordinator. Automobile dealers in the area are aware that remnants are needed, and most have tools that will remove bumper stickers easily.

Aging is Colloquium topic

Interested faculty and graduate students are invited to participate in a colloquium (Continued on page 2)

The Challenge of the '80s

Editor's Note: This article is the fifth in a series in which the academic deans reflect on what lies ahead for their colleges in the '80s.

One of the students currently enrolled in the College of Engineering came to Penn State because he also wanted to study violin.

Arts and Architecture Dean Walter H. Walters likes to point to him as a symbol of what lies ahead for the arts.

"Our public universities are currently providing some of the best training and experiences available in the arts today," he says. "While there are perhaps four or five outstanding conservatories devoted to the arts in this country, only the public universities can offer a real breadth of educational experiences at a time when it is so important in the student's development. Many people feel that with energy

shortages and inflation looming large in our future, funding for the arts will be the first thing to be cut. I don't see it that way. We at Penn State are fortunate because the arts are in the mainstream here. I know it's a cliché, but we are educating the government, the civic, the educational and business leaders of the future. We enroll more than 26,000 students a year in our general arts and service courses, and I think we are building an arts constituency that is going to help us in the future."

The future of the service aspect of the College's teaching load does indeed seem bright. The new baccalaureate degree requirements established by the University



Dean Walters

(Continued on page 4)

Penn Staters

Dr. Barton Hodes has been appointed as professor and chief of ophthalmology in the College of Medicine. Formerly an associate professor at the Northwestern University Medical School, Dr. Hodes earned his B.A. in anthropology from the University of Pennsylvania and his M.D. from Jefferson Medical College. He served his internship at Evanston (Illinois) Hospital and completed residency training at Jefferson.

Provost Edward D. Eddy was re-elected to the Board of Directors of the Pittsburgh Symphony Society at the annual meeting Oct. 17. Dr. Eddy has served on the board for 18 years. This re-election marks his seventh consecutive three-year term. Dr. Eddy is also a member of the Advisory Board for the Pittsburgh Public Theatre and a member of the Board of Directors of the Pittsburgh Chamber Music Society.

Dr. Joseph W. Michels, professor of anthropology, and Lorraine T. Kapitanioff, assistant professor of Russian, have collaborated in a translation of the book *Axum* from Russian into English. The 348 page volume has just been published by The Pennsylvania State University Press.

Yuri M. Kobishchanov, the Soviet author of the book, worked closely with Dr. Michels and Prof. Kapitanioff in their respective capacities as editor and translator, supplying much new material for this expanded and revised edition. The book is now the most up-to-date and authoritative work available in any language on the history and culture of the Axumite civilization of highland Ethiopia.

The Axumites played a major role in trade between the classical world of the Mediterranean and countries bordering the Red Sea and the Indian Ocean. With its origins in the civilization of South Arabia, the Axumite Kingdom evolved by the fourth century A.D. into one of the most powerful states in contact with the classical world. It took a thousand years for the Axumite Kingdom to run its course, and it profoundly affected the more recent history of Ethiopia.

Kobishchanov covers such major topics as political history, political and economic organization, ideology, and the social system.

The author has added an appendix to the original book which critically discusses the documentary sources available to Axumite scholars. Another special feature of the volume is Dr. Michels' introductory essay on Axumite archaeology, which not only summarizes 75 years of excavations but also reports upon recent efforts at archaeological interpretation.

E. Lynn Miller, associate professor of landscape architecture, has been awarded the Bradford Williams Medal by the American Society of Landscape Architects. Two such awards are given each year for articles published in *Landscape Architecture Magazine*. Prof. Miller's article, "Homesteading 'DR'-Style at Arthurdale, W. Va.," appeared in the September 1978 issue.

Raniero Corbelli, professor and head of the Department of Architecture, has been appointed chairman of the Task Force on Professional Education of the National Council of Architectural Registration Boards. He is one of five council members on the committee who represent major geographical areas in the United States.

Dr. B. Lakshminarayana, professor of aerospace engineering, has been appointed as an associate editor of the *Journal of Fluids Engineering*, ASME Transactions.

25-year chair

A husband-wife team, Carl M. and Doris N. Smith of Rebersburg, are soon to mark their 25th anniversary as University employees.



Two-child family — the Smiths.

Mrs. Smith works in Old Main as a Centralized Copy Center operator for Printing Services, operating a Multilith press, collator, copy machine and photo reducer. She began her employment at Penn State on Oct. 25, 1954, as a janitress in Pattee Library. In 1958 she transferred to Housing and Food Services as a maid in Simmons and Thompson residence halls. In 1962, she began working with Printing Services.

Mr. Smith is a storeroom clerk stock selector for the Purchasing Dept. of General Stores, where he fills incoming orders for University departments and the Commonwealth Campuses. He joined the Physical Plant staff on Nov. 1, 1954, working as a janitor in Rec. Hall. In 1959, he assumed his present position at General Stores.

The Smiths have two sons, Steve and Wayne, the latter employed by the University as an audio/visual repair technician in Willard Building. They also have five grandchildren.

Retirements



Jay H. Runkle, a laboratory animal caretaker for the Department of Veterinary Science, retired from the University on Oct. 1 with 33 years of service.

Mr. Runkle joined the University on April 1, 1964, working as a cattle herdsman in the Department of Dairy Production. He later became a swine herdsman, and moved to the Department of Veterinary Science in 1953.

His career interests extend to his private life. He and his wife, Anna, reside on a 147-acre farm near Spring Mills, where they raise prize lambs, cattle and swine and show them at county fairs throughout the State.

The Runkles have a daughter, Sara Anne, and a son, Tom, who is employed in data processing at Shields Building. Mr. Runkle plans to devote more time to his farm, which he operates in partnership with his son.

William F. Shawley had acquired 21 years of service to the University when he retired

as a maintenance worker in the Office of Physical Plant on Sept. 8.

Mr. Shawley began working at Penn State in 1958 as a pool attendant for the College of Health, Physical Education and Recreation. He worked in Physical Plant for 12 years, beginning in 1967. His job titles there included janitor, floor waxer, janitorial worker and finally maintenance worker.

He and his wife, Savilla, live in Bellefonte.

Kathryn M. Matis retired Sept. 15 from her position as a food preparer in Housing and Food Services.

In 1954, Mrs. Matis began her University career as a counter woman in Simmons Hall. She worked as an early cook/assistant cook at Redifer and Warnock Dining Halls before assuming the position of food preparer at Pollock Dining Hall in 1969.

Mrs. Matis and her husband, Michael, presently reside in Bellefonte. They have three sons, Michael, Richard and Joseph, and seven grandchildren.

Frederick Kissingner ended his University career last month when he retired from his job as maintenance mechanic.

On Dec. 16, 1963, Mr. Kissingner began working at Berks Campus as a janitor. Six years later he assumed the title of

News in brief

(Continued from page 1)

on the history of aging and the history of gerontology, to be held Friday and Saturday, Oct. 19-20, in Room 305 HUB.

Co-sponsored by the Gerontology Center, the Division of Individual and Family Studies and the Office of Continuing Education, the colloquium has been organized by Dr. Michel Philibert, professor of philosophy and director of the Multidisciplinary Gerontology Center at the University of Grenoble, France, and a visiting professor of human development at Penn State.

Sessions on Friday will be devoted to a brainstorming session on the history of aging, and epistemological considerations on history and future developments in the experience and the study of aging. Saturday's two sessions are: the history of gerontology and the feasibility of developing a course of study and guidebook on the subject, and new methods for future study in human development and aging.

For further information call Dr. Daniel J. Logo or Dr. Joseph H. Britton at 865-1717, or Prof. Philibert at 865-1447.

Pioneer festival on Oct. 21

Frontier foods, demonstrations of pioneer skills and folk music will highlight the fourth annual Pioneer Crafts Festival, sponsored by the Shaver's Creek Nature Center at the Stone Valley Recreation Area Sunday, Oct. 21, from 1 p.m. to 5 p.m.

Basketry, spinning, weaving, blacksmithing, leather tooling and natural dyeing will be among the crafts demonstrated by Nature Center personnel and local craftsmen in authentic pioneer costumes.

Many types of pioneer foods will be for sale, and visitors to the festival will be encouraged to participate in crafts and will be permitted to keep anything they make.

A special children's section will include baking demonstrations, cornhusk doll making and games. A hay ride also is planned.

The Interludia Dance Group will give a folk dance demonstration during the afternoon. Also scheduled is a demonstration of antique cameras. A photographer will take formal portraits of visitors in old-fashioned clothing, which will be provided.

Admission to the festival is 50 cents per person, but the maximum charge per car will be \$1.50, and in an effort to encourage car pooling, cars with more than four riders will be admitted free.

custodian, and in 1972 took on the responsibilities of maintenance mechanic. Mr. Kissingner is a Womelsdorf, PA resident.

George R. Thomas retired Oct. 1 from his position as a letterpress printer in Business Services after working there for 13 years.

Mr. Thomas worked as a printer for the Centre Democrat and the Somerset American before joining Penn State in 1963. His first three years at the University were spent as a cutting machine operator in General Services. As a printer, he set type and operated presses, producing tickets, business cards, envelopes and stationery for the University.

Mr. Thomas and his wife, Myrtle, live in Bellefonte. They have one daughter, Connie, and four grandchildren.

John E. Berkeheimer, a group leader, carpenter at the Hershey Mechanical Center, will retire Oct. 27. He has been employed at the University since Aug. 18, 1969.

Obituary

Harry A. Eshbaugh, a maintenance worker with the Office of Physical Plant when he retired in 1970, died Sept. 28. Mr. Eshbaugh began employment with the University in 1966. He was 74 years of age at his death.

Camus film, 'Bahia,' at Kern

The Comparative Literature Film Series will present the Marcel Camus film, *Bahia*, at 7 and 9 p.m. on Tuesday and Wednesday, Oct. 23-24, in Room 112 Kern Building.

Camus, who directed the award-winning *Black Orpheus*, wrote the script for the film with Jorge Amado. *Bahia* is based on Amado's novel, *Shepherds of the Night*. Set against a backdrop combining voodoo-related folk religion and Christianity, the film tells the story of the love of a young prostitute for Martin, chief "street-hustler" in Mata Gato.

Mail orders being taken for Johnny Cash concerts

Mail orders are being taken for two concerts by country singer Johnny Cash, sponsored by the Artists Series, Saturday, Nov. 17, in Eisenhower Auditorium. Cash will perform at 7:15 and 9:30 p.m.

Cash has sold more than 50 million records and composed some 1,000 songs. He has won 4 Grammys and 4 Country Music Awards. Gardner Webb College in North Carolina has presented him with a Doctorate of Humanities degree, and he has received the Faith in America Award of the Religious Heritage of America, Inc. and a Doctorate of Humane Letters from National University in San Diego.

Tickets may be ordered by sending a check, made payable to The Pennsylvania State University, to the Penn State Artists Series, P.O. Box 8000, University Park, PA 16802. A stamped, self-addressed envelope should be enclosed. Ticket prices are \$8 for Section 1 and \$7 for Section 2.

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University Park Calendar

Oct. 18-28

Special Events

Thursday, Oct. 18

GSA, Slick Plant Clinic, 7:30 p.m., Room 101 Kern.

Religious Affairs, 10 part film, "How Should We Then Live?" 7:30 p.m., Memorial Lounge, Eisenhower Chapel.

URTC, *The Shadow Box*, 8 p.m., The Playhouse.

Friday, Oct. 19

Open House to see new nursing facilities, 1-5 p.m., Human Development East, Commonsplace Theatre, *Alice's Restaurant*, 7 and 9 p.m., Room 112 Kern.

Sports: soccer, vs. Fordham, 7:15 p.m. Interlinda, Polish Dance Workshop with Ada Djezwatowska, 7:30 p.m.-through Sunday noon, Walnut Bldg.

Shaver's Creek Nature Center, slide program of birds of prey, "Raptors of New England," 7:30 p.m., Stone Valley.

URTC, *The Shadow Box*, 8 p.m., The Playhouse.

Saturday, Oct. 20

Sports: women's tennis, vs. Michigan, 10 a.m.; men's cross country, vs. Auburn, 11 a.m. Joseph's and Wisconsin, 11 a.m.

Artists Series, *Little Red Riding Hood*, opera for children, 10:30 a.m. and 2:30 p.m., Schwab.

France-Cinema, Claude Corretta, *The Lacemaker*, 7 and 9 p.m., Room 112 Kern URTC, *The Shadow Box*, 8 p.m., The Playhouse.

Penn State Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium, Free.

Shakespeare Film, WPSX-TV, BBC's *Romeo and Juliet*, 9 p.m., Room 123 Chambers.

Sunday, Oct. 21

Sports: women's tennis, vs. Harvard, 10 a.m.; lacrosse, Penn State Fall Invitational, 11 a.m. University Chapel Service, 11 a.m., Eisenhower Chapel. The Reverend Dr. Derald Stump, PSU Episcopal Ministry, speaker.

Shaver's Creek Nature Center, Pioneer Crafts Festival, 1-5 p.m., Stone Valley.

Commonsplace Theatre, *Alice's Restaurant*, 7 and 9 p.m., Room 112 Kern.

Monday, Oct. 22

Last date for November grads to deliver theses to Graduate School.

Last date for Departments to certify to Graduate School completion of required papers for November grads.

First day to sign Winter Term NDLS and University Long Term Loans, Room 108 Shields.

France-Cinema, *The Lacemaker*, 7 and 9 p.m., Room 112 Kern.

Comparative Systems lecture series, 7:30 p.m., Room 115 EE West, Ale Nové, international economic studies, Univ. of Glasgow, on "Soviet Economic Reforms."

Colloquy Lecture, 8 p.m., Eisenhower Auditorium. Vincent Bugliosi, attorney and author of *Helter Skelter*, speaker.

Tuesday, Oct. 23

Bloodmobile, 10 a.m.-4 p.m., HUB Ballroom. Comp. Lit. Luncheon, 12:15; talk 1 p.m., Hotel State College. Bruce Mazlish, MIT, on "Freud and Biography."

Sports: field hockey, vs. Cortland, 2:30 p.m.; soccer, vs. Pittsburgh, 7:15 p.m.

College of Agriculture Faculty meeting, 4 p.m., Room 301 Ag. Admin. Bldg.

Comp. Lit. Film Series, Marcel Camus, *Bahia*, 7 and 9 p.m., Room 112 Kern.

Colloquy, Dick Gregory, speaker, 8 p.m., Eisenhower Auditorium.

English Colloquium, 8 p.m., Room 101 Kern.

Thomas Rogers, English, reads from his new novel.

Wednesday, Oct. 24

Bloodmobile, 10 a.m.-4 p.m., HUB Ballroom. Commons Concert, Allegheny String Band, noon, Kern Lobby.

STS/Two Cultures Dialogue on "Technology Assessment and Risk Analysis," lunch, noon; presentation and discussion, 12:20 p.m., Room 101 Kern. Frank Clemente, sociology, on "Factors in Determining How Safe is Safe Enough."

Comp. Lit. Film Series, *Bahia*, 7 and 9 p.m., Room 112 Kern.

Musicia Camera, 8:30 p.m., Music Bldg.

Rectal Hall, Free.

Thursday, Oct. 25

Commons Videotape, "TV Quarterbacks," noon, Kern Lobby.

Comparative Systems lecture series, 7:30 p.m., Room 101 Kern. Eugene Zaleski, Univ. of Paris, on "Soviet Economic Disturbances: From Stalin to Brezhnev."

GSA, Silk Screening Workshop, 7:30 p.m., Room 102 Kern.

Religious Affairs, 10 part film, "How Should We Then Live?" 7:30 p.m., Memorial Lounge, Eisenhower Chapel.

Penn State Thespians, George Firth/Stephen Sondheim, *Company*, 8:30 p.m., Schwab.

Friday, Oct. 26

Sports: JV football, vs. Wesley Jr. College, 2 p.m.

Geography Dept. coffee and lecture, 3:45 p.m., Room 319 Walnut. Heinz Henrich, history of photography, on "Early Photography in Eastern Europe."

PSOC Hiking Division, all night vigil on Mount Nittany for the Great Pumpkin, through Saturday.

France-Cinema, *Sweet Away*, 7 and 9 p.m., Room 112 Kern.

Barbara Thompson, organ, 8:30 p.m., Music Bldg, Rectal Hall, Free.

Penn State Thespians, *Company*, 8:30 p.m., Schwab.

Saturday, Oct. 27

Sports: football, vs. West Virginia, 1:30 p.m.

France-Cinema, *Sweet Away*, 7 and 9 p.m., Room 122 Music Bldg, Rectal Hall.

GSA, Commons Halloween Party, 8 p.m., Room 102 Kern.

Artists Series, Dresden State Orchestra, 8:30 p.m., Eisenhower Auditorium.

Penn State Thespians, *Company*, 8:30 p.m., Schwab.

Sunday, Oct. 28

University Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Ernest H. Freund, philosophy emeritus and Friends Meeting of State College, speaker.

Karen Ekenroth, soprano, 2:30 p.m., Music Bldg, Rectal Hall, Free.

France-Cinema, *Sweet Away*, 7 and 9 p.m., Room 101 Kern.

Seminars

Thursday, Oct. 18

Computer Science, Nick Pippenger, IBM Watson Research Center, Yorktown

Heights, NY, on "On Simultaneous Resource Bonds," 4 p.m., Room 325 Whitmore (new listing).

Computation Center, Daniel L. Bernitt, senior research associate, on "APL (4 of 6)," 7:30 p.m., Room 108 Forum.

Friday, Oct. 19

Computer Science, Sheila A. Greibach, Univ. of California, Los Angeles, on "The Equivalence Problem for 2-Tape Deterministic Finite State Acceptors," 11 a.m., Room 325 Whitmore.

Analytical Chemistry, George Strojek, Ohio State Univ., on "Infrared Attenuated Total Reflectance Studies of the Solid-Liquid Interface," 11:10 a.m., Room 333 Whitmore. History of Aging and Gerontology.

"Brainstorming on the History of Aging," 2 p.m., Room 305 HUB. Michel Philibert, visiting professor of human development, on "Epistemological Considerations on Past History and Future Developments in the Experience and the Study of Aging," 8 p.m., Room 305 HUB.

Computer Science, Jack W. Carlyle, Univ. of California, Los Angeles, on "Grammars for Parallel Development on Maps and Graphs," 4 p.m., Room 325 Whitmore. Mathematics, Jean Pierre Serre, College de France, on "Varieties Over Finite Fields: From Weil to Deligne," 4 p.m., Room 104 McAllister.

Philosophy, Mikel Dufrenoy, Univ. of Paris, on "Sublimation and Desublimation in Art," 4 p.m., Room 101 Kern.

Saturday, Oct. 20

History of Aging and Gerontology, "History of Gerontology and the Feasibility of Developing a Course of Study and Guidebook on the Subject," a working session, 9 a.m.; "New Methods for Future Study in Human Development and Aging," a working session, 1 p.m., both Room 305 HUB.

Monday, Oct. 22

Plant Pathology, Christine Stockwell, grad student, on "Salinity Stress: The Role of Tissue Culture in Selection of Tolerant Plant Material," 3:55 p.m., Room 213 Buckhout. Biology/Ecology, George Estabrook, botany, Univ. of Michigan, on "The Compatibility of Hypotheses of Evolutionary Relationship," 4 p.m., Room 140 Fenske.

Religious Studies, Bruce Mazlish, MIT, on "The Narcissistic Character of Our Time," 8 p.m., Room 101 Kern.



Suites for nursing program faculty in the new Human Development East Building consist of a research workroom area where (foreground, left to right) Dr. Joan M. Rinchart, Dr. Laurie M. Gunter and Dr. Lois K. Waters discuss a project. In adjoining private offices (background, left to right) are Dr. Ruth O'Brien and Dr. Margaret P. Mandrillo.

Human Development East open house Oct. 19

The University community is invited to attend an open house in the new Human Development East building — which houses the expanded facilities of the Nursing Program — from 1 to 5 p.m. Friday, Oct. 19.

"The building reflects the program's philosophy of nursing and the role of nursing education — a strong commitment to both practice and research, as well as teaching, with an emphasis on health," says Dr. Janet A. Williamson, Nursing Program head.

A unique feature is the Nursing Consultation Center, occupying the entire first floor. The center contains lounge facilities for the older adult, rooms for infant and child health care, consultation rooms for individuals and families, observation and testing rooms, a wet lab, and space for research projects.

The building also houses the College's computer suite and the offices of the Dean for Continuing Education and Commonwealth Campuses.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Tuesday, Oct. 23

ARL, Arthur Goldschmidt, history and Middle East Studies Committee, on "The Contemporary Middle East: An Update," 10:45 a.m., Walker Conference Room, Applied Science Bldg.

Biology/Ecology, George F. Estabrook, botany, Univ. of Michigan, on "Vegetation of the Chapada dos Veadeiros of Central Brazil," 11 a.m., Room 2 S Freer.

Organic/Inorganic Chemistry, Philip Kasprzyk, grad student, on "Mechanism Based Inactivation of Transaminases, Suicide Substrates," 12:45 a.m., Room 333 Whitmore.

Air Pollution Control, Thomas T. Warner, meteorology, on "Atmospheric Transport and Dispersion of Air Pollutants," 2:20 p.m., Room 140 Fenske.

Math Logic, Michael Jamieson, mathematics, on "A Partition Property of \mathbb{N}_1 ," 2:20 p.m., Room 106 McAllister.

History, Bruce Mazlish, MIT, on "The Uses and Abuses of Psychohistory: Kissinger and Carter," 3:30 p.m., Room 101 Kern.

Astronomy, Henry L. Shipman, Univ. of Delaware, on "White Dwarfs," 4 p.m., Room 445 Davey.

Organic/Inorganic, Richard Eisenberg, Univ. of Rochester, on "Homogeneous Catalysis and Activation of C-H Bonds," 8 p.m., Room 333 Whitmore.

Wednesday, Oct. 24

College of Agriculture, Dale E. Baker, agronomy, Hays B. Gamble, land and water resources, Stuart Patton, Evan Pugh Research Professor, Samuel H. Smith, plant pathology, on "The Success and Professional Consequences of Seeking and Obtaining Funds," 4 p.m., Room 301 Ag. Admin. Bldg.

Thursday, Oct. 25

Ceramic Science, Arnulf Muan, geochemistry, on "Mineralogy, Ceramics and Refractories," 11 a.m., Room 301 Steidle. Chemistry, Jacob Schaffer, Monomani, St. Louis, on "High Resolution NMR Studies of Solids — 'N Studies of Metalloids,'" 12:45 p.m., Room 333 Whitmore.

Physics, Leonard Mandel, Univ. of Rochester, on "Photon Antibunching," 3:50 p.m., Room 445 Davey.

Meteorology, Hans A. Panofsky, Evan Pugh Professor of Meteorology, on "Treats to the Ozone Layer: A Progress Report," 3:55 p.m., Room 112 Walker.

Mathematics, J. Lehner, Univ. of Pittsburgh, on "Automorphic Functions and Discrete Groups," 4 p.m., Room 102 McAllister.

Friday, Oct. 26

Analytical Chemistry, Karey Holland on "Liquid Chromatography/Electrochemical Detection of Lactate and Lactate Dehydrogenase," 11:10 a.m., Room 333 Whitmore.

Exhibits

Chambers Gallery: Graduate and Undergraduate Students' Drawings.

HUB Galleries: Penn State Room, PSU memorabilia; LaVie exhibit; Denise Faleski, recent works, through Oct. 27, Art Alley.

Rome Hanks and Mary Edith Miller, recent photographs, through Oct. 28, Browning Gallery. Nick Webb and John Warfel, pots, through Oct. 27, The Gallery.

Kern Commons Galleries: Tsing Fang Chen, paintings, through Oct. 27; Harriet Rosenberg, mixed media, through Oct. 20; Roy Fendler, "Hamburger Memories," opens Oct. 20; prints and papermaking by BFA and MFA candidates and United Nations Assoc. "Year of the Child" exhibit, both open Oct. 27.

Museum of Art: European works and 19th century American paintings, prints and drawings from the permanent collection; recent paintings and drawings by George Zoretich, through Oct. 21.

Pattee Library: Peter Gould, photographs, "Witgenstein's View," Main Lobby.

Cherry King, paintings, Lending Services Lobby; Peter Greene, paintings, prints and drawings, East Corridor Gallery.

Visual Arts Bldg. Zoller Gallery: Siskind Photographic Show.

The '80s

(Continued from page 1)

Faculty Senate (BDR III) require students to take six credits in the arts — the previous requirement was six credits in arts and humanities.

"It's high time," Dean Walters says, "to present the arts on a level with our other great humanistic, scientific and social programs. There will, of course, always be people who want to be professional in their field, either as historian-theoreticians or as performers, planners or designers, and we will have to provide instruction, experience and internships for them. But during the next decade, we have to give a large share of our attention to the needs and interests of the general student. We've worked hard to establish the concept of the arts as a part of daily life, and now it's our turn to meet that need."

But if more and more students can be expected to express an interest in arts education as consumers, enrollments in Arts and Architecture majors will probably continue in a steady state. This picture is projected nationally as well, according to a report prepared by the Fine Arts Commission (which Dean Walters chairs) of the National Association of State Universities and Land-Grant Colleges (NASULGC).

Among the more than 1,500 majors currently enrolled in A&A, those in architecture and landscape architecture count themselves lucky to be there. Last year the Department of Architecture sifted through some 700 applications for 65 openings. Because Penn State has the only undergraduate program in landscape architecture in the Commonwealth — there are only about 35 in the country — that Department also does not lack for students.

"In terms of job opportunities," Dean Walters notes, "landscape architecture is one of the top 20 professions in the nation."

Students who plan careers as professionals in theatre, art or music usually don't choose them because they're interested in job security. "We try to make

"... success in the arts is based on competition ..."

it quite clear to our students that success in the arts is based on competition," Dean Walters continues, "and I think that they understand that their future depends on their abilities."

The combining of the Departments of Art and Art Education into the School of Visual Arts and of Music and Music Education into the School of Music will present these areas with new opportunities in the '80s, according to Dean Walters.

"Music and art educators are in a good position to build on previous achievements," he points out. "I think society will ask of universities that, rather than concentrating solely on the training of young people, they extend their influence beyond their traditional spheres of influence to encompass the teaching of adults."

"Music is already doing this to some extent by making available very specific instruction — a continuing education program on how to produce a high school musical, for example, or a summer program for string players."

"Continuing education courses can also be developed in architecture and landscape

architecture to keep graduates in touch with new developments in their professions. The appointment of a PENNTAP representative in the Department of Architecture, for example, will extend architectural design services throughout the state.

Another promising program prospect for the next decade, both at Penn State and its sister NASULGC institutions, is arts therapy, the application of the arts in the service of the hospitalized, the aged, or the physically or mentally handicapped. Museology is a rapidly growing field, and, abetted by the national sentiment for conservation, so is historic preservation. The University has also moved to meet a growing demand for arts administrators by developing programs for them in conjunction with the College of Business Administration.

At the same time that universities are creating new programs to produce participants in and enthusiasts for the arts, they are also supplying a continuous live audience.

"The professionals in the arts — in theatre, music and dance — would be in deep trouble," Dean Walters points out, "if they only had a New York season. We in the universities provide crucial support through such operations as our Artists Series and Nittany Mountain Summer. Performers need both the experience and revenues these tours of the university circuit yield."

The role of the public universities in support of the arts — "the best network of cultural centers in the country," Dean Walters calls them — received government recognition this year. Partly at the urging of the land-grant fine arts deans, a post was created to provide liaison between the U.S. Office of Education and the National Endowment for the Arts.

Even though funding problems will always be endemic to the arts, Dean Walters believes that the move toward greater regional participation will continue. "New York is the summit, the model where critical standards are set," he says. "But the population of this country is becoming so sophisticated that it will not

"The population of this country ... will not put up with shoddy work."

put up with shoddy work. I would encourage professionalism in the arts regionally wherever it can be supported."

"We are proud at Penn State to be a part of this growth in regionalism. Our Museum of Art, which is still in its first decade of life, has brought the resources of a professional art museum to not only the campus, but also the whole of Central Pennsylvania. We are hoping for a similar regional service through our newly formed University Resident Theatre Company, which has just been established this fall and will give the area a year-round professional theatre."

Dean Walters calls attention to a Fine Arts Commission report of a recent Louis Harris poll showing that six of every 10 persons 16 years of age and over attend arts events; that 86 percent of those surveyed want arts events made available in all parts of the country; and that a majority favor increased federal, state and local support for the arts.

"I think the outlook for the arts — in the nation and in our universities — is healthy," Dean Walters concludes.

Ag seeking associate dean

The Dean of the College of Agriculture has announced the formation of a Search Committee for the position of Associate Dean of Resident Instruction.

The primary responsibility of the Associate Dean is to administer the academic programs of the College and to provide leadership and administrative support to the faculty of the College may pursue their teaching and advising/counseling responsibilities effectively and efficiently.

Further responsibilities include interfacing with faculty and students in the University system, as well as with alumni, agri-business, and other interests within the Commonwealth. Candidates must have an earned doctorate in an agricultural or closely related discipline; and must have academic administrative experience, or have demonstrated this potential, within a land-grant university.

Both nominations and applications are welcome. Nominations should include a brief statement about the nominee's accomplishments and qualifications. Applicants must submit a resume and names and addresses of three references. Send data to Dr. Howard W. Thiele, Chairman, Search Committee, Room 201B Agricultural Administration Building.

Closing date for applications is Dec. 1, 1979, or until a qualified candidate is selected. Position will become available July 1, 1980.

Arts Roundup

French horn player to appear with orchestra

French horn player Christopher Callahan will be the soloist in a concert by the Penn State University Symphony Orchestra Saturday, Oct. 20, at 8:30 p.m. in Eisenhower Auditorium.

The 63-member orchestra is conducted by Dr. D. Douglas Miller, associate

Staff Vacancies

The following vacancies for positions classified as staff except for staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m. Oct. 25, 1979. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

SYSTEMS PROGRAMMER — MANAGEMENT SERVICES, University Park — Responsible for documentation of software and hardware and interfacing with application programmers and operations on programming and operational problems. Systems Programmer needed for MVS with JES2 shop. Other systems including TSO, ROSCOE, CICS, VTAM, and NCP. Working knowledge of BAL is also desired. Experience in

supporting any of the above software would be helpful. Experience in TP software is also a plus. Bachelor's degree or equivalent, with one to two years of effective experience in data processing, plus a good working knowledge of at least one programming language (COBOL, PL/I, ASSEMBLER). Also an understanding of Job Control Language, system utilities, and basic data set structures is required.

ASSISTANT TO THE DEAN OF STUDENT AFFAIRS, Behrend College — Responsible to the Dean of Student Affairs, Behrend College, for the supervision and program direction of the Behrend College Student Union facilities and the coordination of student organization activities and programs. Master's degree in student personnel administration or related area, or bachelor's degree, with maturity and significant related experience. Three to five years of experience preferred.

MAINTENANCE FOREMAN, York Campus — Plan, layout, schedule and assign work to Maintenance Mechanic, Grounds Maintenance Man, Maintenance Worker, Janitors, and part-time help for various trades, including carpentry, plumbing, heating, electrical, painting, sheetmetal, landscaping and

housekeeping. Maintain necessary records, including time cards, work orders, reports, shop drawings, catalogs, prints, sketches and related data. Inspect all buildings and outside areas to determine need for maintenance repairs; recommend to the Business Manager necessary maintenance and/or repair. High school education with two years of vocational training or equivalent, plus two to four years of effective experience in building and grounds maintenance and/or construction. Part of this experience should be of a supervisory nature.

COMPUTER PROGRAMMER, Radnor Center for Graduate Studies and Continuing Education — Responsible to the Director for various programming tasks required to assist faculty and students, to produce reports, update records, and make mathematical computations. Individual will operate the computer terminal and various auxiliary equipment. Associate degree in computer science or equivalent to two years of college level training in mathematics with organized computer training in IBM basic computer systems, plus one to two years of directly related experience. Knowledge of engineering and business problem formulations and programming skills of various computer languages essential.

Campus Update

Parents of first year students at the Osgood Campus will have an opportunity to experience classroom situations similar to those of their sons and daughters during Freshman Parents Day on Sunday, Oct. 21.

The first event of its kind since 1969, Freshman Parents Day was resurrected to provide parents, the ones who are paying the bills, with the opportunity to see the campus in operation.

Twenty-one presentations will be offered concurrently and repeated three times, giving those who attend the opportunity to choose any three. Most of the presentations are actual "mini-classes," covering a cross-section of such course offerings as Chemistry, Population Pressure and the Good Life, The Art of the Cinema, or Basic Concepts of Financial Accounting.

The McKeessport Campus has dedicated two buildings in honor of advisory board members. In ceremonies held Oct. 10, the

Campus library was named for the late Dr. J. Clarence Kelly, a surgeon and McKeessport civic leader; the physical education building was named for John M. Wunderley, an advisory board member for 24 years and its current vice president. President John W. Oswald was the main speaker at both ceremonies.

A core endocrine laboratory has been established at The Milton S. Hershey Medical Center to aid in the diagnosis of unusual glandular or endocrine disorders. Several of the tests conducted originated at Hershey, and tests such as Prostaglandins and bile acid procedures are currently available at no other facility in the United States.

"This laboratory enables physicians, hospitals and reference laboratories throughout Pennsylvania to send blood specimens to Hershey for specialized endocrine testing, rather than as far as California, as required previously," said Dr. Laurence M. Demers, core endocrine laboratory director and associate professor of pathology.

Penn State Intercom

News in Brief

Mobile book show at McAllister

Faculty are invited to visit The College Traveler Mobile Book Exhibit today (Thursday) and tomorrow from 9 a.m. to 4 p.m. The Bookmobile exhibit will be parked at McAllister Building, near the Penn State Bookstore which is sponsoring the event.

Books from more than 200 publishers, ranging from freshman through graduate level texts, will be on display, and most are available for complimentary examination. This year, a special section has been added with professional, trade and reference books.

Tickets on sale

for "Le Petit Prince"

On Thursday, Nov. 1, the Department of French will sponsor a production of Antoine de Saint Exupéry's classic, *Le Petit Prince*, by the Compagnie Bernard Uzan of Boston. The performance, in Schwab Auditorium, will begin at 7:30 p.m. and the doors will open at 7 p.m.

Tickets, which cost \$3, may be ordered from the Department of French office, Room 316 Burrowes Building, (telephone 865-1492), or purchased at the HUB desk beginning today (Oct. 25). Tickets will also be available at the door.

FORTRAN workshop

to be offered at term break

The Computation Center will be offering a workshop on beginning FORTRAN during the break between Fall and Winter terms.

This workshop will cover basic computer concepts and techniques of programming in the FORTRAN IV language. The lectures are oriented toward those who have NO previous computer experience, and are open to all faculty, staff and graduate students.

Lectures have been scheduled for five days — Monday, Tuesday and Wednesday Nov. 19, 20 and 21, and Monday and Tuesday, Nov. 26 and 27. Sessions will be given throughout each day, beginning at 9 a.m. and resuming at 1:30 p.m., after a lunch break, in Room 112 Walker Building.

In addition to the lecture and study of sample programs, practice problems will be assigned, and participants will have the use of a T-account for the duration of the workshop and all of Winter Term. It is suggested that the entire five days be devoted to a workshop to gain the maximum benefit.

Registrations will be accepted by Darlene Klinefelter, Room 229 Computer Building (863-0422) beginning Oct. 22. A charge of \$3 (payable by cash, check or interdepartmental transfer) to cover course materials should be made in advance for each registrant. There is no charge for the use of the account.

Big band dance concert

at Rec. Bldg. Saturday

A big band dance concert, reminiscent of those in the '30s, '40s and '50s, will be sponsored by the Penn State Alumni Association in Recreation Building Saturday, Oct. 27, from 8 p.m. until midnight.

Featuring music for listening or dancing, the Stan Rubin Orchestra, which

plays regularly at the Glen Island Casino in New York, is making Penn State its first stop on a college tour. Rubin, who has been an orchestra leader since the '50s when he played at the wedding of Grace Kelly and Prince Rainier in Monaco, has compiled a library of 200 original arrangements of the hits of well known bands of the swing era.

Tickets are on sale at the Eisenhower Box Office and the HUB. They will also be available at the door of Recreation Building on the night of the dance.

Athens lawcourt of 350 B.C. to be reconstructed

"A Day at Court in Athens in 350 B.C." will be the topic of Dr. Alan Boegehold, of Brown University's Department of Classics, on Tuesday, Oct. 30, at 8 p.m., in Room 101 Kern Graduate Building.

Prof. Boegehold will reconstruct from archaeological evidence the daily proceedings in the Greek lawcourt.

His talk is sponsored by the Central Pennsylvania Society of the Archaeological Institute of America, with the support of Penn State's Department of Anthropology and the Institute for the Arts and Humanistic Studies.

Argentine fiction is talk topic

Saul Sosnowski, chairman of the Department of Spanish and Portuguese at the University of Maryland, will present a public lecture on Tuesday, Oct. 30, at 8 p.m. in Room 102 Chambers. His topic is "How To Do Things with Words:

Cortazar and Recent Spanish American Fiction." Prof. Sosnowski is editor of the journal *Hispamerica* and a recognized scholar of Argentine letters.

MARLIN librarians meet

Twenty-five librarians and library computer specialists representing the nine universities of the Mid-Atlantic Research Libraries Information Network (MARLIN) met at University Park Oct. 11-12.

The representatives were invited by University Libraries Dean Stuart Forth to observe and evaluate the developing computer system for Penn State's Libraries, to discuss regional and national network developments and to consider cooperative ventures within MARLIN.

In addition to Penn State, the MARLIN institutions are Princeton, Johns Hopkins, Rutgers, Temple, and the Universities of Delaware, Pennsylvania, Maryland and Pittsburgh.

(Continued on page 4)

Draft copies of Perspective on '80s distributed

Copies of the initial draft of "A Perspective on the '80s: A Plan for The Pennsylvania State University" are being distributed to the Board of Trustees and to the University community for discussion and consideration, Provost Edward D. Eddy reports.

Dr. Eddy, in a letter accompanying the document, expressed the hope that "extensive discussion of this draft will ensue over the next month at department, campus and college faculty meetings and meetings of student organizations."

"Members of the Steering Committee and its staff would welcome invitations to attend and participate in these meetings," the Provost noted. "Any individual or group within the University community wishing to submit written comments to the Steering Committee is encouraged to do so. A special forensis session to discuss this draft will be held at the regularly scheduled November meeting of the University Faculty Senate. The draft will be discussed also by the Educational Policy Committee of the Board of Trustees."

To facilitate consideration by the University community, copies of the draft will be placed in the offices of all college deans, Commonwealth Campus directors, and department and division program heads. All faculty senators will receive the document, and copies will be available at Pattee and at each Campus library.

In addition, INTERCOM will publish a special issue containing highlights from the Plan.

"The Plan revolves around the themes of quality, selectivity and flexibility," Dr. Eddy said. "Although we anticipate that many discussions and recommendations in the Plan will be singled out, reviewers are requested to consider the Plan in broader context. Do the pieces fit? Are proposed solutions consistent? Are we sufficiently realistic? The Plan is an attempt to establish a direction, not to specify details."

"The Steering Committee will consider all responses in its continuing deliberations. Appropriate modifications will be made by the Committee. A final report is scheduled to be recommended to the Board of Trustees in December for possible endorsement in January."

Wind energy workshops available

Penn State Continuing Education will offer workshops on the fundamentals of wind energy at five Commonwealth Campuses and the Behrend College during the next four weeks.

The workshops are intended for homeowners, experimenters, technologists, and elected officials interested in wind as a source of energy. Topics will include: wind energy fundamentals, economics of wind systems, determining wind power, site evaluation, system components, and selection of wind generators to heat and light homes and businesses.

The speaker will be Paul Gibbs, a consultant on wind energy who has published articles and reports on the

(Continued on page 4)



Macrame was the medium Barbara Merritt chose when she made these unusual Halloween decorations for the Office of the Provost, where she is a secretary.

Volunteer Service Center needs more workers

The Volunteer Service Center is trying to reach out to the community, but it needs more arms.

"We have many groups who are enthusiastic about getting help from our program, but we just don't have enough volunteers to go around," says Tim Fitzgerald, an assistant to the manager of the HUB and the liaison with the Center. "We definitely need more input from faculty and staff members."

The Center is dedicated to the placement of volunteers in human and social service agencies within a 50 mile radius of State College. Although the volunteers placed by the Center are primarily students, an increasing effort is being made to recruit faculty and staff members.

"Faculty and staff members have

something many of our student volunteers lack — expertise," Mr. Fitzgerald says. "We want to tap that resource for the greatest benefit to the community."

Among the agencies requesting volunteers from the Center are Park West Manor Nursing Home, Mountainview Hospital, Laurelton Center, Easter Seals, Hilltop Day Care Center, Boy Scouts of America and the Bureau of Vocational Rehabilitation.

Requests also come in for volunteers to work with individuals who are physically or mentally handicapped or elderly.

Another project of the Center is a tutoring service, and Mr. Fitzgerald is hoping to get faculty members to submit names of students who might be interested

(Continued on page 4)

Penn Staters

Nine faculty members have been awarded Research Fellowships for the coming Winter and Spring Terms by the Institute for the Arts and Humanistic Studies. They are:

Kenneth Beittel, professor of art education, for creative work in porcelain for an exhibit in Japan; **James Beneshoff**, assistant professor of music, for master studies in conducting with Thomas Michalak, conductor of the New Jersey Symphony;

Gary L. Collison, assistant professor of English at York, for preparation of transcriptions of the letters of Theodore Parker for the first of a five-volume edition; **John Cook**, professor of art, for the study of Italian funerary sculpture in Milan and Genoa;

Anthony Cutler, professor of art history, for the study of late antique and early Christian villas in principal European collections; **Roland Fleischer**, professor of art history, for research and study of the paintings of the 17th century Dutch artist, **Ludolf de Jongh**;

Stephen Porter, associate professor of art, for development of two sculptures using silicon bronze and other weathering and stain-resistant materials; **Adam Sackin**, assistant professor of English at Delaware County, for a study of comic and ironic structure in American fiction; and **Brent Wilson**, professor of art education, for a study of narrative drawings of American Indian children.

Dr. Karl H. Beyer Jr., clinical professor of pharmacology at Hershey, and a research associate of his from private industry were presented the 1979 CIBA Award for hypertension research from the American Heart Association. **Dr. Beyer** and **Dr. James Sprague** were selected for their discovery of thiazide diuretics, which the Council for High Blood Pressure Research termed "the most important and meritorious research conducted in the field of high blood pressure."

Dr. S. V. Martorana, professor of education and research associate, Center for the Study of Higher Education, was chosen by the Middle States Association of Colleges and Schools to chair the Association's team to evaluate the University of Puerto Rico's Regional College in Ponce, Puerto Rico. The regional college system of the University of Puerto Rico developed from a plan formulated by **Dr. Martorana** as presented to the Legislature in 1956. At that time he served as Specialist for Community Colleges in the U.S. Office of Education.

"Contemporary Brass Ensemble Music in the United States" was the subject of a lecture delivered by **James Beneshoff** at the International Congress for Brass Musicians in London on Oct. 5. **Mr. Beneshoff** is conductor of the Penn State Brass Choral and an assistant professor of music.

Dr. Robert Zelis, professor of medicine and physiology and chief of cardiology at Hershey, has been installed as the new president of the board of directors of the Pennsylvania affiliate of the American Heart Association.

Gideon Golany, professor of urban and regional planning, has edited a recently published book, *Arid Zone Settlement Planning: The Israeli Experience*.

In this book, **Dr. Golany** says he has "tried to bring together in a comprehensive approach all the Israeli experience in planning and developing desert areas." As editor and contributor, he wrote the introduction and various chapters on the opportunities and policies of arid zone planning. The chapters comprising the rest of the book, dealing with topics varying from desert architecture to agricultural planning, were written by prominent Israeli researchers.

Philip Klass, professor of English, was

guest of honor at the Midwest Science Fiction Conference held recently in Chicago. He delivered two talks, "The Wounded Technology" and "Flying Saucers and Reality." Prof. Klass is an internationally known author of science fiction novels and short stories under the pen name of **William Tenn**.

Philip A. Klein, professor of economics, presented a joint paper, "Further Applications of Leading Indicators to Forecasting Foreign Trade Flows and Balances," at the 24th Conference of the Centre for International Research on Economic Tendency Surveys, held last month in Lisbon. He also served as a consultant on setting up growth cycle chronologies and indicator systems to government agencies in Sweden, Denmark and Holland.



Henry



McCaslin

Four members of the University's staff joined the ranks of retirees on Oct. 1. They are **Milford O. Etters**, **Wilmer Geist**, **Harold R. Henry** and **Leah McCaslin**.

Mr. Etters was a sanitation maintenance worker with Housing and Food Services, assigned to the Food Stores Building. He had been a University employee since Sept. 19, 1960.

Mr. Geist started out in the University's Dairy Barns in 1939, milking cows and bottling the results. He was promoted to records supervisor at the Dairy Barns in 1959 and to records supervisor for the College of Agriculture in 1960. **Mr. Geist** was responsible for checking all dairy reports, maintaining files on each of Penn State's herds, and working with fieldmen.

Two years after **Mr. Geist** joined Penn

Obituaries

Vance G. Sprague, a retired professor of agronomy, died Oct. 15 at the age of 70. **Dr. Sprague** came to Penn State in 1937 as an associate agronomist at the U.S. Regional Pasture Laboratory, retiring in 1969. He was a graduate of Northland College, Ashland, WI, and held master's and Ph.D. degrees from the University of Wisconsin.

He was widely known for his research on the physiology and growth characteristics of forage grasses and legumes. He was a Fellow of the Agronomy Society of America.

Charles M. Hepfer, an employee of the Nittany Lion Inn from 1960 to his retirement in 1976, died Oct. 11 at the age of 65.



Geist



Etters

State's staff, **Mr. Henry** started out as a landscape worker. From there he moved to Engineering as a maintenance mechanic and machinist, and at his retirement was shop superintendent in the College of Science. Working with faculty and graduate students, especially those in chemistry and physics, he helped develop and build instrumentation for testing. Certified in three trades, **Mr. Henry** did welding, electrical and machine work.

A cook at Ritenour Health Center, **Ms. McCaslin** started out there as a dining room waitress in 1960. Working at Ritenour requires a grounding in nutrition since the staff prepares diets for patients. **Ms. McCaslin's** specialty was baking. Two of the **McCaslins'** three children are Penn State alumni.

Promotions

Staff Exempt

Samuel T. Auker to cost accountant — overhead accounting in Controller's Office.

David L. Baker to sports information director in Health, Phys. Ed. and Recreation/Public Info. and Relations.

Richard H. Brown to director, fleet and airport services in Business Services.

Lawrence S. Cote to assistant director, Radnor Center in Continuing Education.

June L. Gingrich to foreman, environmental health at Hershey.

Herman Haas to environmental health shift supervisor at Hershey.

David C. Martin to programmer in University Libraries.

Margaret L. Nastase to accountant in Controller's Office.

Paul D. Ruskin to executive producer in Agriculture.

M. Joan Schumacher to assistant director, student employment in Student Affairs.

Staff Non-Exempt

Carol Facer to junior buyer at Hershey.

George L. Hall to library assistant, receiving in University Libraries.

Mark G. Hoskinson to computer operator at Hershey.

Carol J. Lutz to heart station supervisor at Hershey.

Clerical

Kathy Bell to secretary A in Undergraduate Admissions.

Lisa J. Fredricks to senior medical transcriptionist at Hershey.

Tracey K. Hodge to secretary C in UD15.

Terri J. Lutz to secretary C in Agriculture.

Nanette E. Myers to secretary B in Graduate School.

Ines C. Quaranta to clerk-records in Lib. Arts.

Educated mind is society's best protection against authoritarianism

Editor's note: Following is the text of the introductory remarks delivered last week by Provost Edward D. Edly to the Conference on Modern Authoritarianism in Eastern Europe. The conference, which met at Penn State, was organized by The Slavic and Soviet Language and Area Center.

Society's best — and perhaps only — protection against man's authoritarian impulse is the educated mind. The free — perhaps even the outrageously impudent — university is our answer to authority at its corrosive worst. It enables us to see the larger picture and to comprehend what men and women can become if they but have the chance to choose. The institution which deserves to call itself a university can be recognized by four dominant characteristics.

First, logical thought is our base. The logical mind becomes the cornerstone which supports all else. Without logic, we are lost. Authority grows from small decisions, not merely from the seizure of power. And there is danger in small decisions because they accumulate. They become the vast body of rules and regulations which smother creativity. And they become the hiding place for the people of little minds.

If we had but one course to require of all undergraduate students, my clear preference would be a course in logical reasoning — taught superbly in keeping with its essentiality. As it is, we could and should teach logic in every course.

The creative mind is the second characteristic of the free university. Some years back the Carnegie Corporation commissioned a study of creative people. The results indicated that a dominant sign of creativity was a high tolerance of

ambiguity — a willingness to listen to and, indeed, to protect other points of view, other kinds of people, other convictions and persuasions. The insistence on a single point of view is the beginning of authoritarianism, whether in the university or the state.

"The ability to go one step further — not just to tolerate but to enjoy ambiguity — is a sign of higher learning and freedom at its creative best. It is also a sign of an inhospitable climate for the development of the authoritarian impulse."

A third characteristic is the ability to think beyond the self — and here, perhaps, we fail more noticeably if not with our students, then with ourselves. Each of us probably has a favorite definition of education. My current favorite is from the pen of Thornton Wilder. One character in his novel *The Eighth Day* asks, "What is education, Roger?" What is education, George? "And then he answers almost to himself: 'It is the bridge man crosses from the self-enclosed, self-favoring life into a consciousness of the entire community of mankind.' To cross the bridge the university itself must emerge as an academic community, not merely a collection of logical, creative individual 'I's' and 'Me's.'"

The sign of an executive worthy to serve the free university is the frequency of "we" in both formal and informal speech, rather than the dominant "I." Too many among us confuse ourselves with the institution. We speak of "my campus," "my faculty," "my program." Or we cannot keep from re-assuring ourselves about what "I have done for you, you striving but ignorant human creature." The "we" and the genuine "our" of the

academic community save us from our pettiness which accumulates and festers into authoritarianism.

The fourth and final characteristic is curiously indicative of the logical ambiguity which forces us to talk at one time about both community and individual. The free university — our protection against the excess of authority — is a citadel of learning for the individual human being. It is he or she who ultimately has dignity and value in the eyes of us all. The cause is of no great moment, so long as the individual human being is truly curious. Free society is a collection of individual human beings who deserve the opportunity to acquire knowledge and then to serve that society according to their particular abilities.

When she received the Aspen Award for the Humanities some years ago, the great artist of the dance, **Martha Graham**, accepted with these words: "The main thing, of course, always is the fact that there is only one of you in the world — just one! You come from a certain background, you were born at a certain time, a certain instant in the history of the world. And, as such, you are unique. If that uniqueness is not filled, then something precious has been lost."

The free university is our protection against the loss of "something precious." It is the responsibility of each of us to protect the wealth of all of us. And we can say to student and teacher alike, walk here with dignity. You are a precious commodity — a logical mind, a creative spirit, and an essential part of a scholar's community. In such a place, authority never has a chance to become authoritarian.

University Park Calendar

Oct. 25-Nov. 4

Special Events

Thursday, Oct. 25

Comparative Systems Lecture Series, 7:30 p.m., Room 101 Kern. Eugene Zaleski, Univ. of Paris, on "Soviet Economic Disturbances: From Stalin to Brezhnev."
GSA, Silk Screening Workshop, 7:30 p.m., Room 102 Kern.
Office of Religious Affairs, 10 part film, "How Should We Then Live?" 7:30 p.m., Memorial Lounge, Eisenhower Chapel.
Slide Lecture, Tsing Fang Chen, 7:30 p.m., Kern Lobby.
Colloquy Lecture, 8 p.m., HUB Ballroom. Simas Kudirka, Lithuanian dissident and defector, speaker.
Thespians, George Furth/Stephen Sondheim, Company, 8:30 p.m., Schwab.

Friday, Oct. 26

Penn State Bookstore, College Traveler Mobile Book Exhibit, 9 a.m.-4 p.m., outside McAllister.
Sports: JV Football, vs. Wesley Jr. College, 2 p.m.
Geography Dept. coffee and lecture, 3:45 p.m., Room 319 Walker. Heinz Henisch, history of photography, on "Early Photography in Eastern Europe."
France-Cinema, *Suport Asway*, 7 and 9 p.m., Room 112 Kern.

Barbara Thomson, organ, 8:30 p.m., Music Bldg. Recital Hall. Free.
Thespians, Company, 8:30 p.m., Schwab.
PSOC Hiking Division, all night vigil on Mount Nittany for the Great Pumpkin, through Saturday.

Saturday, Oct. 27

Sports: football, vs. West Virginia, 1:30 p.m.
France-Cinema, *Suport Asway*, 7 and 9 p.m., Room 122 Music Bldg. (Recital Hall).
Penn State Alumni Association, Big Band Dance Concert, "Swing the Thing," Stan Rubin Orchestra, 8 p.m., Rec. Hall.
Artists Series, Dresden State Orchestra, 8:30 p.m., Eisenhower Auditorium.
Thespians, Company, 8:30 p.m., Schwab.

Sunday, Oct. 28

University Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Ernest H. Freund, Friends Meeting of State College and philosophy emeritus, speaker.
Shaver's Creek Nature Center, nature talk on winter trees and evergreens, 2 p.m., Stone Valley.
Karen Eckenrodt, soprano, 3:30 p.m., Music Bldg. Recital Hall.
France-Cinema, *Suport Asway*, 7 and 9 p.m., Room 101 Kern.
Office of Religious Affairs Conference, "Religion, Values and Public Education," 7:30 p.m., Fireside Lounge, HUB.

Monday, Oct. 29

Last day to sign Fall Term NDSL and University Long Term Loans, Room 108 Shields.
Late drop deadline.
Office of Religious Affairs Conference, "Religion, Values and Public Education," 12:30 and 7:30 p.m., Fireside Lounge, HUB.
College of Science, John M. Chermela Lecture, 4 p.m., Room 333 Whitmore. Mark Kac, Rockefeller University, on "Chance and Randomness in Mathematics and Science: When is Random Random (II)?"

Tuesday, Oct. 30

Comp. Lit. Luncheon, 12:15; talk, 1 p.m., Hotel State College. Wendell Harris, English, speaker.
Office of Religious Affairs Conference, "Religion, Values and Public Education," 12:30 and 7:30 p.m., Fireside Lounge, HUB.
Chermela Lecture, 4 p.m., Room 333 Whitmore. Mark Kac, "Chance and Randomness in Mathematics and Science: When is Random Random (II)?"
College of Engineering, Distinguished Mechanical Engineering Lecture, 4 p.m., Room 105 Mechanical Engineering Bldg. Robert W. Mann, Whitaker professor of biomedical engineering, MIT, on "Cybernetic Prosthesis - Motor and Sensory."
Halloween Candlelight Dinner, 4:45-6:45 p.m., HUB Terrace Series, Ray, Aparajito, 7 and 9 p.m., Room 102 Forum.
Archaeological Institute of America Lecture, 8 p.m., Room 101 Kern. Alan Boegehold,



WHAT ELSE - but an exhibit from "The Great American Hamburger" at Kern Commons Gallery. Ceramicist is Roy Fender.

Brown Univ., on "A Day at Court in Athens in 350 B.C."
Dept. of Spanish/Italian/Portuguese Lecture, 8 p.m., Room 102 Chambers. Saul Sosnowski, Univ. of Maryland, on "How to Do Things with Words: Cortazar and Recent Spanish American Fiction."

Wednesday, Oct. 31

Commons Concert, Tim Craven, folk music, noon, Kern Lobby.
Chermela Lecture, 4 p.m., Room 333 Whitmore. Mark Kac on "Chance and Randomness in Mathematics and Science: Probabilistic Aspects of Some Problems in Mathematics and Mathematical Physics (I)." Halloween Candlelight Dinner, 4:45-6:45 p.m., HUB Terrace Room.
Office of Religious Affairs Conference, "Religion, Values and Public Education," 7:30 p.m., Fireside Lounge, HUB.
Colloquy Halloween Special, 8 p.m., Eisenhower Auditorium. Ed and Lorraine Warren, seekers of the supernatural, speakers.
Penn State Brass Chorale, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, Nov. 1

Faculty Women's Club, Brown Bag Lunch and Lecture, 11:45 a.m., Faculty Bldg. Charlotte Murphy on "Energy Saving Appliances." Commons Videotape, "TV Quarterbacks," noon, Kern Lobby.
Chermela Lecture, 4 p.m., Room 333 Whitmore. Mark Kac on "Chance and Randomness in Mathematics and Science: Probabilistic Aspects of Some Problems in Mathematics and Mathematical Physics (II)." French Dept., Antoine de Saint Exupery, *Le Petit Prince*, performed by Compagnie Bernard Uzan, 7:30 p.m., Schwab.
GSA, Skiers Conditioning Workshop, 7:30 p.m., Room 102 Kern.
Office of Religious Affairs, 10 part film, "How Should We Then Live?" 7:30 p.m., Memorial Lounge, Eisenhower Chapel.

Friday, Nov. 2

Sports: JV Football, vs. Nassau Community College, 2 p.m.; soccer, vs. Temple, 7:15 p.m.
Geography Dept. coffee and lecture, 3:45 p.m., Room 319 Walker. Rodney Erickson, geography, on "The Changing Location of Jobs and the Death of Life of the Great American Cities."
UnCommon Theater, preview, *Piccadilly Silly*, 8 p.m., Room 112 Kern.
Artists Series, Music from Marilboro, 8:30 p.m., Schwab.

Saturday, Nov. 3

Sports: football, vs. Miami (Fla.), 1:30 p.m.
UnCommon Dinner/Theatre, 6:30 p.m., Room 102 Kern; *Piccadilly Silly*, 8 p.m., Room 112 Kern.
France-Cinema, *The American Friend*, 7 and 9 p.m., Room 122 Music Bldg. (Recital Hall).
Shakespeare Film, WFSX-TV, BBC's *Julius Caesar*, 9 p.m., Room 123 Chambers.

Sunday, Nov. 4

University Chapel Service, 11 a.m., Eisenhower

Chapel. Dr. George Lucas, Ashland, Va., speaker.

UnCommon Dinner/Theatre, 6:30 p.m., Room 102 Kern; *Piccadilly Silly*, 8 p.m., Room 112 Kern.

Seminars

Thursday, Oct. 25

Anthropology, Charles Leslie, Univ. of Delaware, on "Disease, Illness and Health Planning," 3:30 p.m., Room 107 Carpenter (new listing).

Friday, Oct. 26

Analytical Chemistry, Karcy Holland on "Liquid Chromatography/Electrochemical Detection of Lactate and Lactate Dehydrogenase," 11:10 a.m., Room 333 Whitmore.

Monday, Oct. 29

Genetics, Brian Stanton on "A Comparative Study of Plus-Tree Selection Methods for Superior Growth Rates in Paper Birch," 3:55 p.m., Room 111 Tyson.
Plant Pathology, Nicole Palazzolo, grad student, on "Differential Plant Tolerance to Cadmium," 3:55 p.m., Room 213 Buckhout.
Computation Center, Daniel L. Bernitt, senior research associate, on "APL (5 of 6)," 7:30 p.m., Room 108 Forum.

Tuesday, Oct. 30

Macromolecules, P.H. Gel. Univ. of Illinois, on "Molecular Motion and Chain Folding in Polymers," 11:10 a.m., Room 333 Whitmore.

Organic/Inorganic Chemistry, Richard Rosen, grad student, on "Recent Advances in Homogeneous Activation of Carbon Monoxide," 12:45 p.m., Room 333 Whitmore.

Air Pollution Control, Henry Alexander, Bureau of Air Quality, Pa. DER, on "Volatile Organic Compound (VOC) Regulations and Photochemical Oxidants," 2:20 p.m., Room 140 Fenske.

Math Logic, Judith Tanselle, grad student, on "Some Properties of Analytic Sets of Real Numbers," 2:20 p.m., Room 106 McAllister.
Anthropology, Richard Gould, Univ. of Hawaii, on "To Have and Have Not: Ecology and Social Behavior in Two Hunting and Gathering Societies," 3:30 p.m., Room 107 Carpenter.

Geosciences, Deane K. Smith, geosciences, on "The Powder Diffraction File: It's Roots and Fruits," 3:45 p.m., Room 112 Walker.

Astronomy, Melville P. Unger, Northwestern Univ., on "X-ray Structure of Clusters of Galaxies," 4 p.m., Room 445 Davey.
Mathematics, David Russell, Univ. of Wisconsin and Mathematics Research Center, on "A Class of Holomorphic Semigroups Associated with Structural Damping," 4 p.m., Room 102 McAllister.
Chemistry, Gregory L. Geoffroy, chemistry, on "How to Seek and Find Employment in Chemistry," 8 p.m., Room 333 Whitmore.

Wednesday, Oct. 31

Computation Center, Daniel L. Bernitt on "APL (6 of 6)," 7:30 p.m., Room 108 Forum.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Thursday, Nov. 1

Ceramic Science, Gary L. Messing, Battelle Columbus Laboratory, on "Consolidation of Ceramic Powers," 11 a.m., Room 301 Steidle.

Chemistry, M. Frederick Hawthorne, Univ. of California, Los Angeles, on "Metallo-carbonates in Catalysis," 12:45 p.m., Room 333 Whitmore.

Physics, Lorenz Narducci, Drexel Univ., on "Optical Bistability," 3:50 p.m., Room 445 Davey.

Meteorology, Leonard Neumann, Brookhaven National Laboratories, on "Is It Possible that Acid Rain is Acidic?" 3:55 p.m., Room 112 Walker.

Engineering Science and Mechanics, David E. Carlson, RCA Laboratories, Princeton, on "Amorphous Silicon Solar Cells," 4 p.m., Room 152 Hammond.

Fuel Science, E. Kendall Pye, Univ. of Pennsylvania, on "Alcohol Fuels from Biomass," 4 p.m., Room 301 Steidle.
Philosophy, Deborah Modrak, philosophy, on "Aristotle on Imagining, Thinking and Knowing," 4 p.m., Room 75 Willard.

Friday, Nov. 2

Analytical Chemistry, Albert Robbat, grad student, on "Electroanalytical Determination of Selected Sulfur Heterocycles Found in Coal Liquefaction Processes," 11:10 a.m., Room 333 Whitmore.

Exhibits

Chambers Gallery: Graduate and Undergraduate Students' Drawings.

HUB Galleries: Penn State, PSU memorabilia; LaVie exhibit; Denise Faleksi, recent works, through Oct. 27; Art Alley, Robin Hanks and Mary Edith Miller, recent photographs, through Oct. 28; Browning Gallery, Nick Webb and John Warfield, pots, through Oct. 27; The Gallery.

Kern Commons Galleries: Tsing Fang Chen, paintings, through Oct. 27; Roy Fender, "The Great American Hamburger," ceramics, and School of Visual Arts Students, "Glass Works from Penn State," through Nov. 3; prints and papermaking by BFA and MFA candidates and United Nations Assoc., "Year of the Child" exhibit, both open Oct. 27.

Museum of Art: European works and 19th century American paintings, prints and drawings from the permanent collection.

Pattee Library: Peter Gould, photographs, "Wittgenstein's Vienna," through Oct. 29. Main Lobby: Cheryl King, paintings, through Oct. 29. Lending Services Lobby: Peter Greene, paintings, prints and drawings, through Oct. 29 and traveling exhibit celebrating the 100th anniversary of the U.S. Geological Survey Dept., opens Oct. 30. East Corridor Gallery.

Visual Arts Bldg. Zoller Gallery: Skindin Photographic Show, through Nov. 4.

Staff Vacancies

The following vacancies for positions classified as staff openings or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by filing the Employment Division, 865-1187 (network line 475-1187). Applications for these staff vacancies will be accepted until 5 p.m., Nov. 1, 1979. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment Practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ASSISTANT MANAGER, HOUSING AND FOOD SERVICES, Hazleton Campus. Responsible to Manager, Housing and Food Services-Commonwealth Campuses for assisting in supervising the overall operation of the Housing and Food Service units. Associate degree in institutional management or equivalent, plus two years' related experience in food supervision.

Review of health care deductions urged

University faculty and staff members should review periodically the deductions being taken for their group health care (UNICARE and Dental) to be certain that they are paying for the correct coverage.

A change in family status may affect your costs and your coverage. For example, when you get married, when you have a first child, or when your spouse stops working for the University, you run the risk of having inadequate dependent coverage.

You should consider changing your coverage if any of the following circumstances arises:

- 1) You add a dependent through marriage or birth. (Note: a baby is covered automatically for 31 days following birth, however, to provide for coverage beyond that time a change of dependent coverage form must be completed).
- 2) Your spouse or only dependent child begins or ceases working for the University as a regular employee.
- 3) Your spouse or only dependent child dies.

- 4) You are divorced (or separated) or no longer wish to provide dependent coverage).
- 5) Your only dependent child enters military service or reaches age 19 (or 23 in the case of a full-time student).
- 6) Your only dependent child gets married.

To determine whether or not you have the right coverage or are paying the right amount, compare the amount that is shown on your salary check stub with the amount you should be paying according to the table below.

If a change should be made, call, write, or visit the Employee Benefits Division, Room 133 Willard Building, 865-1473. A faculty or staff member who is not at University Park may receive assistance by contacting his/her Personnel Officer or Business Manager.

The University has no way of knowing whether a change should be made, so it is the responsibility of the employee to keep his/her records up to date and accurate. No refunds for over-payment will be made, unless it can be shown that the University was in error.

Insured Persons	UNICARE		Dental	
	monthly	bi-weekly	monthly	bi-weekly
Employee Only	NONE	NONE	NONE	NONE
Child or Children	\$1.75	\$0.80	\$4.33	\$2.00
Employee, Spouse	\$3.60	\$1.66	\$4.33	\$2.00
Employee, Spouse Child or Children	\$5.00	\$2.30	\$4.33	\$2.00

Act 101 State conference held

"Innovations in Higher Education: The Challenges of the '80s" is the theme of the Act 101 Statewide Conference currently in session at the Sheraton Penn State Inn, State College.

Act 101, the Higher Education Equal Opportunity Program, encourages colleges and universities to admit low income students who, due to poor performance on standardized tests or modest high school academic achievement, would not regularly be admitted.

The conference has assembled college administrators, faculty members, and Act 101 program staff from around the State to discuss the focus of higher education in the next decade.

Seventy-one public, private and community colleges and universities participate in the Act 101 grant program, established by the State in 1971. These institutions recruit highly motivated students who show potential to succeed in college and provide special academic support services for the students.

Penn State's Developmental Year Program is a participant and serves 200 freshmen students annually, according to Leon E. Wiles, coordinator of the program.

Conference registrants were welcomed yesterday (Wednesday) by Provost Edward D. Eddy, along with Commissioner Ronald K. Lewis of the Pennsylvania Department of Education and Conrad D. Jones, director of the department's Bureau of Equal Educational Opportunity.

Approximately two dozen discussion and workshop sessions are being held on such topics as admissions, recruitment and retention of students; institutional research; curriculum and instruction; academic policies; servicing the disabled students; and grantsmanship and proposal development.

Workers needed

(Continued from page 1)

in this kind of work.

"I feel that many faculty and staff members may be hesitant to come to the HUB to volunteer their services because it is a student building," Mr. Fitzgerald says. "We want them to know that we would be delighted to meet with them any time, anywhere to set something up. We can get them into a situation where they can call their own shots."

To help reach faculty and staff members, the Center's office hours have been expanded to Tuesday nights from 7-9 p.m., in addition to the normal hours of 9 a.m. to 4 p.m. Monday through Friday.

An orientation program scheduled for the first week of Winter Term will pull together all the agencies requesting volunteers. Mr. Fitzgerald hopes this will provide volunteers with a better understanding of what is involved should they give some of their time.

The Center is located in Room 210 HUB, and the phone number is 865-3431.

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Arts Roundup

Kaufman-Hart play next URTC offering

Penn State's University Resident Theatre Company (URTC) has begun rehearsals for its second production, *You Can't Take It With You*. Hailed as one of the funniest comedies of the American theatre, the play won a Pulitzer Prize for its writers, George Kaufman and Moss Hart.

The URTC production is being directed by David Dannenbaum, assistant professor of theatre, and is scheduled to open Nov. 29 at The Pavilion. For reservations call 865-1884 from 10 a.m. to 6 p.m. Mondays through Saturdays.

Brass Choral opens season Oct. 31

"Fanfare" by Alexander Tcherenpin, a piece written in the early '60s, will open the Penn State Brass Choral's program when the group presents its first concert of the season Wednesday, Oct. 31, at 8:30 p.m. in the Music Building Recital Hall.

The Brass Choral will also perform Morley Calvert's "Introduction, Elegy and Caprice," composed as the test piece for the 1978 European Brass Band Championships held in London. Other selections include "Theme and Four Variations" by Thomas Merriman; John Addison's Divertimento, opus 9; "Designs for Brass" by Václav Nelhybel and the Symphony for Brass Percussion by Alfred Reed.

The Penn State Brass Choral is composed of University students and is conducted by James Benshoof, assistant professor of music.

Un-Common Dinner Theatre to feature British humor

"Piccadilly Silly," an evening of British humor, is this term's Un-Common Dinner Theatre offering.

After a student preview on Thursday, Nov. 1, the show will open Friday, Nov. 2. Dinner and theatre will be offered on Saturday and Sunday, Nov. 3 and 4. Show time is 8 p.m., and the location is Room 112 Kern Graduate Building.

A full-length review with some 32 separate sketches, "Piccadilly Silly" is conceived and directed by David A. Stern, assistant professor of theatre arts. Prof. Stern wrote some of the pieces and is also using materials from such comic writers as Peter Cook and Dudley Moore.

Dinner will include English-style fish and chips, a salad bar and London Bridge cherry tarts. Service begins at 6:30 p.m.

Sponsoring the dinner-theatre are the Graduate Commons, the Department of Theatre and Film, and the Hotel and Restaurant Society.

For further information or reservations, call the Kern Information Desk at 865-1878.

Organ recital Oct. 26

An organ recital will be presented by University graduate Barbara Thomson '69 at 8:30 p.m. Friday, Oct. 26, in the Music Building Recital Hall. A faculty member of the Peabody Conservatory of Music and Goucher College, Ms. Thomson will also conduct a master class for organists at 9:30 a.m. Saturday in the recital hall.

Her program will open with the first movement of Mendelssohn's Sonata No. 3 for Organ, the "Con Moltto Maestoso." Following the Mendelssohn piece will be two settings of "Dies sind die heiligen zehn Gebot," BWV 678 and BWV 679, by Johann Sebastian Bach. Ms. Thomson will also perform Bach's "Duet and Fugue in E Flat ('St. Anne'), BWV 552.

For the second part of the program, Ms. Thomson will perform "Carillon de Westminster" by the 19th century French composer Louis Vierne, "Antipodes I" by Gary C. White, and the Allegro from the "Symphonie VI pour Orgue" by Charles-Marie Widor.

News in brief

(Continued from page 1)

Mann to deliver Engineering lecture

Dr. Robert W. Mann, Whitaker Professor of Biomedical Engineering at the Massachusetts Institute of Technology, will give this year's Distinguished Mechanical Engineering Lecture. He will speak on "Cybernetic Prosthesis - Motor and Sensory" Tuesday, Oct. 30, at 4 p.m. in Room 105 Mechanical Engineering.

Professor Mann received his undergraduate, master's and doctoral degrees from MIT.

For the last two decades, Professor Mann has conducted research in bioengineering and, in particular, in the development and application of rehabilitation technology. Internationally known for work in sensory aids for the blind, including computer-based rapid Braille production, and for work on cybernetic limb prostheses and other orthopedic research, Professor Mann is co-developer of the so-called Boston Arm. It is a prosthesis that uses faint bioelectrical signals from residual muscle tissue to operate an artificial elbow.

Professor Mann is a member of the National Academy of Engineering and the Institute of Medicine of the National Academy of Sciences. He is a Fellow of both the American Academy of Arts and Sciences and the Institute of Electrical and Electronic Engineers. The American Society of Mechanical Engineers awarded him its inaugural Lissner Award for Biomedical Engineering as well as the Society's Gold Medal in 1977.

Recycle envelopes

Because recycling of interoffice envelopes at the University Park Campus can save many dollars, departments and individual users are urged to send any excess supplies of used envelopes to Mailing Service, Room 108 Business Services.

Every type of envelope which might conceivably be reused should be sent - including letter size and No. 10 lined or unlined, manilla or white. Envelopes up to 11 by 15-inches are welcome.

Mailing Service will route the envelopes it receives to departments which have expressed a need for them. Presently, the expressed need is far greater than the supply.

Halloween dinner at HUB

A Halloween candlelight dinner will be held at the HUB Terrace Dining Room from 4:45-6:45 p.m., Oct. 30-31.

Entrees on the menu will include calves liver with bacon, roast rib of beef, coq au vin, grilled ham steak with fruit sauce, shrimp and scallop scampi on a bed of rice, and leg of lamb bouquet.

Penn State on NOVA

Dr. Peter Cavanagh, associate professor of biomechanics, is one of several sport scientists whose work will be described in a two-part special on the television series, NOVA, on Tuesday, Oct. 30, and Tuesday, Nov. 6. The programs will be aired at 8 p.m. on WPSX, Channel 3 and rebroadcast the following Sunday mornings at 11 a.m.

The first, entitled "Race for Gold," will explore the relatively new field of sport science and its applications to athletic performance. The second, "All Part of the Game," will concentrate on sports injuries and medicine.

Dr. Cavanagh's research was filmed at Penn State, and one part of the series will describe a study, done at Penn State and at Ball State University in Indiana, of what makes a gifted athlete, using as subject three-time Boston Marathon winner Bill Rodgers.

Wind energy

(Continued from page 1)

subject. He also has conducted research on wind energy for West Texas State University.

Workshop locations and dates: The Capitol Campus, Tuesday, Oct. 29; the Hazleton Campus, Thursday, Nov. 8; the Behrend College, Tuesday, Nov. 13; the McKeesport Campus, Thursday, Nov. 15; the Altoona Campus, Tuesday, Nov. 20; and the Delaware County Campus, Thursday, Nov. 29.

All workshops will start at 9 a.m. and end at 3:45 p.m. Fees are \$35 for all locations except Delaware County, where the cost is \$45. Additional information may be obtained from the Continuing Education office at the appropriate location.

CLINTON PATTEE LIBRARY
CANTHIA J. AHMANN

Penn State Intercom

Editor's note: Following is an edited text of the brief version of "A Perspective on the '80s: A Plan for The Pennsylvania State University." Since the complete Plan fills some 128 manuscript-size pages, this special issue of INTERCOM obviously contains only highlights.

Those who do not like abridgements may wish to consult the actual text. To stimulate the widest possible consideration of the document, copies have been placed in Pattee Library and in the libraries at each Penn State Campus. They are also available in the offices of the University's deans, Commonwealth Campus directors, and department and division program heads.

Any individual or group within the University is encouraged to submit written comments to the Steering Committee, c/o the Provost's Office, 205 Old Main.

Preface

... the concepts and supporting data and arguments which appear in the following pages represent the best thought and efforts of hundreds of members of the academic community. Faculty members, administrators, students, and staff members have all helped the University gain a perspective on the '80s. Ultimately, however, the responsibility to govern the University rests with its Board of Trustees. Adoption of this plan in principle by the Board of Trustees represents their advice to the University community.

CHAPTER I PENN STATE IN THE 1980s

The year 1980 marks the 125th anniversary of the founding of The Pennsylvania State University. Instead of seizing this occasion to look back on the many accomplishments of the past, the University chooses, instead, to look to the future. What issues should it pursue in the '80s to ensure that its vision will not be undiminished when it reaches its 150th year?

Objectives in the '80s

For maximum effectiveness, long-range planning efforts in higher education must focus on a limited number of crucial issues. Therefore, readers of this document will find three pervasive themes throughout the Plan — quality, selectivity, and flexibility. These are Penn State's objectives for the decade of the '80s.

Quality

In teaching, research, and public service, Penn State should seek to maintain its position as the capstone of Pennsylvania's system of postsecondary education. Among the almost 300 institutions of postsecondary education in the Commonwealth:

- Penn State is the only Land-Grant institution.
- Penn State is the only college or university which provides students with access to postsecondary education on a statewide basis.
- Penn State offers nearly 80 unique degree programs. Most of these programs are at the graduate level in the sciences, technologies, agriculture, and the professions.
- Penn State is the greatest single provider of higher education opportunities in the Commonwealth, enrolling one of every ten college students in Pennsylvania.

As the capstone, The Pennsylvania State University believes that the quality of its teaching, research, and public service programs is more important than their number. Quality depends on both the caliber of the University's faculty and staff members and on available resources. Concern for quality must permeate all aspects of the University's value choices, operations, and academic programs.

In the decade ahead the University should focus greater attention on attracting the brightest and most talented students. ... As the nature and substance of decisions continue to change in the decade of the '80s, vigorous academic leadership and forthright decision making at all levels will become even

more essential. The dangers of paralyzing the University through indecision and inaction, through timidity and inappropriate compromise, will increase. New expectations for academic leadership at the department, campus, college, and university levels should be set forth. Faculty and student participation in decision making should be retained and refined.

Penn State's quality is linked directly to adequate financial resources. The pursuit of excellence will require greater financial support from all sources. ...

Selectivity

The key phrase in achieving quality for Penn State in the 1980s should be "selective excellence." Achieving selective excellence will require departments, colleges, and campuses to develop priorities among their programs and to sort out competing demands on time and resources. The setting of University-wide priorities will be a major emphasis of the on-going five-year planning and budgeting process.

At the graduate level, selective excellence may require that certain departments be required to maintain and strengthen their efforts whereas other departments may be asked to reorient, consolidate, or terminate programs. At the undergraduate level, some departments and programs may have to be eliminated in order to concentrate on majors toward serving the needs of students majoring in other areas.

In exercising selectivity in teaching, research, and public service programs, Penn State should seek a balance among three equally important criteria: 1) the quality of a program, its students, and its faculty; 2) the demonstrated need for the program; and 3) program costs. Program selectivity also should take into account the availability of the program in other Pennsylvania institutions of higher education. Conscious selectivity is essential if the alternatives open to Penn State are to be used wisely.

Flexibility

To enhance its capacity to be selectively excellent and to respond to new opportunities, Penn State should make major efforts to extend administrative, programmatic, and resource flexibility, each of which is related closely to the others. The University should have the ability to make reasoned adjustments to reflect changing student preferences, to accommodate new fields of inquiry, to provide more effective educational experiences, and to manage its efforts more efficiently. ...

Toward a New Decade

The University's commitment to quality, selectivity, and flexibility reflects confidence in its ability to serve the people of Pennsylvania. Commitment to quality assures that the service will be good; commitment to selectivity assures that the service will be appropriate; and commitment to flexibility assures that the service will be provided. These objectives will allow the University to develop its special attributes, to preserve the unique nature of its statewide and Land-Grant missions, and to be more responsive to the needs of its many publics. ...

CHAPTER II MISSIONS

Penn State's Land-Grant Heritage

... Consistent with its Land-Grant heritage, Penn State reaffirms its mission in the decade ahead:

- to serve as a force for cultural and intellectual development of the Commonwealth and the nation;
- to provide instruction, research, and service to the people of the Commonwealth through its statewide network of campuses, cooperative extension programs, and continuing education centers;
- to provide selected educational programs in the professions essential to the continued well-being of the Commonwealth and the nation;
- To incorporate essential new areas of knowledge into its curriculum to give the

citizens of the Commonwealth access to the latest professional and technical information;

- to emphasize those areas in research and public service that assist in solving the social, economic, and technological problems facing the Commonwealth and the nation; and
- to provide access to educational opportunities to all qualified citizens.

University Missions

At the heart of Penn State's distinctive contribution as a Land-Grant university is the blending of its instructional, research, and public service missions. While the emphasis on a particular mission may vary from campus to campus, for the University as a whole, all three must be in balance for Penn State to fulfill its unique and historic role as the capstone of the Commonwealth's higher education system.

Penn State's commitment to its Land-Grant tradition does not mean that it can do everything. If depth in program quality were to be sacrificed to fulfill the notion of breadth of offerings, the only result would be mediocrity. However, sweeping the University's mandate within the Commonwealth, it should be selective in directing its efforts to enhance those programs that are already of the highest quality, those programs having the potential to excel, and those programs that are unique to the Commonwealth and of special significance to the nation.

Program Priorities

Priorities among programs in undergraduate and graduate instruction, research, and public service must be guided by three criteria: demonstrated program quality or the ability to achieve quality; evidence of need by the citizens of the Commonwealth and the nation; and factors of cost. ...

The faculty, under the leadership of deans, department heads, and campus directors must be the first to exercise selectivity by establishing priorities among their programs. The faculty and the academic leadership are best equipped to strengthen present programs and identify the promising opportunities in the future. ...

The University's future should be built on its unique contributions and on its historic strength in education for the professions as well as its developing role in liberal education. Programs in agriculture, engineering, education, and earth and mineral sciences historically have provided a solid foundation for Penn State's programs and have a continued role in its future well-being. Programs in the business and health-related professions recently have grown substantially in both demand and quality. The basic disciplines within the arts, humanities, and social, mathematical, and natural sciences will remain important at Penn State because they are essential. To the extent they are strong, the quality and integrity of the entire University are strengthened. Interdisciplinary programs are also essential in providing greater balance and perspective, and should be included in University-wide and department program priorities.

Responding to the pluralistic heritage of Pennsylvania requires that the University assumes a position of leadership in affirmative action. This aim includes all University programs. ...

Instruction

Undergraduate education. As the Commonwealth's Land-Grant university, Penn State is committed to providing superior undergraduate education at a reasonable cost. Successful recruiting efforts in the decade ahead may well depend on how prospective students value a Penn State degree in comparison to that of other institutions.

The basic approach to general education at Penn State should be reassessed to emphasize the interrelationships within the students' baccalaureate education. ... No common thread of concepts and experiences in the University's baccalaureate degree program is readily apparent. ... The basic approach to general education at Penn State should be reassessed continuously and, for the 1980s, more emphasis in the BDR should be placed on the integration of each student's baccalaureate experience. ...

... The University continuously should guard against proliferation of courses which satisfy BDR and, where possible, consolidate the BDR into a smaller number of courses which are more uniformly applicable to all programs.

The renewed emphasis on quality ... should extend to all aspects of the teaching and learning process. The evaluation and improvement of teaching should continue to be a high priority at the department and campus levels. ... Academic advising also is critical to the undergraduate experience. ...

Intercollege programs, such as interdisciplinary degree programs fashioned by the student, academic options within majors, and intercollege degree programs, draw on the faculty and resources of several colleges. These programs offer perspectives and opportunities not available in a single college or department.

Penn State also has an obligation to provide undergraduate opportunities for the adult location-bound student. Quality programs unique to Penn State in the Commonwealth may be developed when an explicit need emerges. Extended degree programs effectively serve such needs, but must be initiated only to meet demand and not as the sole route to campus enrollment problems or to expand a campus' mission to four-year status.

Graduate education. A great university is measured by the strength of its graduate programs, by the scholarly distinction of the faculty members who offer them, and by the quality of the students who pursue them. Since no university can achieve national eminence in every field, selectivity is imperative in graduate education. In light of the limited market ahead, many programs that now lead primarily to academic careers should be redirected in part toward nonacademic pursuits.

A major effort in the next decade should be devoted to strengthening graduate education. The exercise of selectivity, the improvement of the quality of graduate programs, and the recruitment of well-qualified graduate students depend in large part on the academic leadership provided by department heads, deans, and the Graduate Council.

The University, while striving to keep graduate assistantship and fellowship stipends competitive, also should enlarge its program of graduate fellowships to recruit academically distinguished students. In those graduate programs preparing students for employment in business and industry, the University should attempt to obtain supporting funds directly from the relevant enterprises.

Research

The conduct of creative and scholarly work is a pivotal function of Penn State. By supporting the pursuit of knowledge in all of its many forms, the University ensures that its teaching and public service missions are vital and up-to-date. The interaction of ongoing creative scholarship and research programs with instructional and public service programs provides the distinctive character of Penn State. ...

Penn State's success as a research university depends in large measure on the recruitment and retention of faculty members committed to producing high quality research and creative efforts. At University Park and The Milton S. Eisenhower Medical Center, the research mission is a distinguishing characteristic. Therefore, departments and colleges at these campuses must be satisfied that each appointment to the faculty has the potential for high quality to the research enterprise as well as to teaching.

Renewed emphasis and new incentives are needed to increase external support for Penn State's research programs. ... Steps that should be taken to bolster external funding for research include:

- Increased encouragement and aid to faculty members in developing research proposals;
- An expansion of grants for the initiation and development of research proposals and ideas;
- More aggressive solicitation of private support from foundations and corporations for research;
- Improved contacts with federal and state agencies;
- Greater cooperation among colleges and

between colleges and intercollege research centers and institutes in order to respond to state and national needs; and

- Allocation of institutional resources to renovate facilities and to help replace deteriorating and outdated research equipment. . . .

Public Service

In the broadest sense, Penn State's public service mission encompasses both teaching and research. The long standing commitment to statewide public service distinguishes Penn State from most other colleges and universities in the Commonwealth and makes it one of Pennsylvania's greatest public resources. . . .

Continuing Education. Continuing education activities should concentrate increasingly on noncredit, informal educational programs. A special opportunity for Penn State is likely to come in continuing education for practicing professionals. . . .

Cooperative Extension. . . . Throughout the '80s, Cooperative Extension should continue to provide service to increased numbers of Pennsylvanians. Contingency measures should be developed in the event of drastically reduced federal support for extension. Efforts should go forward to increase interaction between faculty members in Cooperative Extension and those concerned with resident instruction and continuing education. . . .

Regionalization of extension operations should be explored, and, wherever practical, offices for regional and area extension staff should be located at a Commonwealth Campus. . . .

Campus Missions

The entire Commonwealth is Penn State's campus. The University's academic policies are designed to produce a uniform standard of excellence, no matter which campus a student attends. Students may move from one campus to another with the assurance of continued progress toward their degrees. . . .

University Park

Through the 1980s, the University Park campus will continue to offer undergraduate and graduate programs on an increasingly selective basis. It will serve as the University's administrative headquarters and, along with The Milton S. Eshersky Medical Center, as Penn State's principal research center. . . .

Special challenges are likely to develop at University Park in the mid-'80s as a result of anticipated changes in enrollment mix. . . . Although recruitment efforts should emphasize the advantages of each University campus, qualified applicants should not be rejected or offered alternate admission when space is available at the campus of their choice. As a result of accommodating student choices, University Park enrollment is expected to consist of increased numbers of freshman and sophomore students and somewhat fewer juniors and seniors. . . .

An increase in the number of lower-division students will affect the service responsibilities and lower-division course offerings especially in the Colleges of Arts and Architecture, The Liberal Arts, Science, and Health, Physical Education and Recreation. This increased service responsibility will mean changes in faculty teaching assignments, with, in some cases, a greater proportion of senior faculty members taking introductory and service courses. These developments should afford special opportunities to improve the overall quality of undergraduate instruction at University Park. At the same time, in light of changing instructional demands, steps should be taken to preserve faculty time for research and advanced study. . . .

The relationships among administrative units and among academic programs within and between colleges should be reassessed to provide opportunities for increased cooperation and leading, in some instances, to administrative reorganization. For example, special opportunities exist for reassignment of programs in education and health, nutrition, and health education and the allied health sciences. . . .

The distinctive statewide role of the University Park campus in research and graduate education should shape to a greater degree its attitudes, policies, and practices in the recruitment, promotion, and retention of faculty members. At the graduate level, the University Park focus for the '80s should be upon the aggressive recruitment of quality graduate students in programs related to significant student and societal demand and program strengths. Recognition of Penn State as a graduate center of national reputation will require a greater research commitment by faculty members. . . .

Penn State's reputation, both nationally and internationally, rests on its commitment to the support of quality programs of research. Interdisciplinary research centers and institutes

have played an important role in solving national and state problems and in providing research opportunities for graduate students. A number of colleges historically have had substantial success also in the procurement of federal and private grants. These efforts should continue and others should be undertaken to raise the level of external funding of research. Faculty members in these colleges should increase efforts to strengthen the relationship between research and instruction at both the undergraduate and graduate levels. Public recognition of Penn State as a major research university requires a higher level of commitment to research, scholarship, and creative endeavor by faculty members and administrators. Greater efforts should be made by students and by external constituencies of the research mission of the University. . . .

Commonwealth Campuses

The Commonwealth Campuses, an integral part of Penn State, are crucial to the University's ability to fulfill its statewide missions. . . .

The Commonwealth Campuses continue to be in a unique position to respond to local educational and cultural needs, but a reassessment of both opportunities and commitments are needed. In the '80s, each campus must determine how it can serve best the secondary and tertiary needs of its area. While the University expects neither to open additional campuses nor to force the closing of existing ones, the individual campus' range of functions will depend, in large part, on the ability of the campus to respond to local needs and on the extent of support developed within the local community. If local needs which can be met by Penn State at a given campus fall precipitously, offerings would have to be reduced accordingly. Eventually, it would become necessary to permit that location to cease operations as a full-scale campus. . . .

Penn State should integrate fully the Commonwealth Campus system and the Office of the Vice President for Continuing Education into a single administrative unit. The current administrative separation of the Commonwealth Campus system and Continuing Education was an appropriate way of meeting educational needs in the state during the past 20 years. New demands of the '80s, however, suggest that, greater coordination and integration of the two units are desirable. Within the next year, the Commonwealth Campus system and the Office of the Vice President for Continuing Education should be integrated administratively. The President and the Provost of the University should work out details of this administrative integration with appropriate University consultative groups. . . .

This administrative integration would consolidate several existing dual systems including those for personnel appointments and evaluations, salary recommendations, registration, scheduling, record-keeping, fiscal transactions, and management information. It would assist in eliminating both real and perceived differences between the resident instruction and continuing education delivery system. The integration also would make available the central support services of Continuing Education to each campus to support its total program. Such services include planning studies, the development and preparation of proposals and contracts, marketing research, and comprehensive management and fiscal information systems. . . .

This administrative integration would not provide any new degree of authority for Commonwealth College faculty organizations in the area of initiation, development, or approval of either credit or noncredit programs in response to local needs. It also will not resolve continuing problems related to the implementation of the University's promotion and tenure policies across diverse locations. Although these academic and personnel issues have not been resolved, the administrative integration will provide a viable environment for pursuing their solutions. . . .

In addition to the integration, the faculty and administration of campuses in close proximity to one another may decide that the changing mix of students and programs is such that consideration should be given to consolidating programs, administration, and faculty of the campuses on a regional basis. Regional consolidation supports the goal of maintaining Penn State offerings in the area without additional resources. Under such an arrangement, campuses may be able to reinforce present strengths and identify new opportunities. Greater differentiation of function, e.g., baccalaureate versus noncredit programs, among campuses in a single region would allow each to keep at a minimum any competition with the other. This may have special importance in regions where the decline of high school graduates is projected to double

significantly. Cooperation would also promote program balance, greater flexibility in staffing and improved recruitment and public relations. Now under consideration is the establishment on an experimental basis of a consortium of the Hazleton, Wilkes-Barre, and Worthington Scranton Campuses in the northeastern region of the Commonwealth. Other regional campus consortia also should be considered. . . .

The Milton S. Eshersky Medical Center

The Milton S. Eshersky Medical Center will continue to educate physicians and other health-care professionals and to serve as the University's principal center for developing and offering these programs. . . .

The instructional emphasis in the College of Medicine will continue to be on graduate education in the life sciences and on the education of physicians interested in primary care and in practicing in underserved areas of the Commonwealth and the nation. . . .

Since the Medical Center, along with University Park, is a principal research center of the University, the College of Medicine will have significant continuing responsibilities for research in medical and life sciences. Significant contributions in the area of biomedical research have been made through the cooperative efforts of the College of Medicine and the Colleges of Science and Engineering at University Park. Similar efforts should be expanded in the future. . . .

The College of Medicine will continue to offer graduate medical programs in health-care areas and post-doctoral programs in conjunction with the Graduate School at University Park. The College of Medicine also should continue to take the initiative in cooperative arrangements with other colleges and individual departments at University Park, with selected Commonwealth Campuses, and especially with the Capital Campus in establishing programs to meet a projected public demand for allied health professionals. . . .

Behrend College

Behrend College will continue to be an important link in the University's mission to provide statewide educational services. In the 1980s, the College should continue to offer a high quality education in a small college atmosphere in a limited area of study. At the associate degree level, programs in engineering technology fields will be offered as demand warrants. In addition, the development of specialized two-year offerings in business, currently in process, is expected to meet local program demands. . . .

Lower-division enrollments at the College indicate that Behrend continues to attract students from the Erie area who plan to complete their baccalaureate degrees at University Park, a reflection of its original status as a Commonwealth Campus. The College should maintain those programs necessary to serve these students as one means of promoting overall campus viability. . . .

Since most of Behrend College's enrollment is drawn from the immediate geographic area, the future of upper-division and graduate-level course offerings is directly dependent upon local student demand. Because of changes in student preferences, the College's baccalaureate degree programs should be redirected increasingly toward business and other career-oriented programs. Graduate programs should be limited to the specialized areas related to the undergraduate emphasis and to the demand for upper-division courses and baccalaureate degree enrollment trends should be monitored closely. If substantial increases in upper-division enrollments do not materialize at Behrend College over the next three years, the four-year mission of Behrend should be reexamined by January 1983. . . .

Capital Campus

Capital Campus, a unique academic unit in the Penn State system, is charged with providing baccalaureate education at the junior and senior levels and selected graduate degrees at the master's level. . . .

Because of its geographic location near Harrisburg, the state's capital and one of the more prosperous areas of the state, the potential of the Capital Campus in the 1980s is considerable. The Harrisburg Area Community College is expected to remain the principal feeder institution to the Capital Campus. Special opportunities are anticipated in the Harrisburg area for graduate programs geared to an adult population and for rapidly developing programs of continuing education. Opportunities also should be explored for developing new curricular and public service programs to serve the needs of minority groups in the Harrisburg area. . . .

Entering the 1980s, Capital Campus may experience modest growth because its undergraduate curricular strengths in business and engineering technology coincide with society's current demands for such professional

education. At the same time, the campus must continue to be strong in the basic arts, humanities, and social sciences. . . .

Prospects for Capital Campus are enhanced further by several recent developments. The appointment of a community advisory board is expected to assist significantly in campus development and in community awareness and action. A more aggressive recruiting policy has been initiated, along with additional curricular offerings tailored to meet the special needs of the population which surrounds the center of Pennsylvania's state government. No graduate courses and programs in business-public administration, American studies, and mass media are being augmented. . . .

One important factor in the immediate future is the serious need for additional multipurpose laboratory facilities. As recommended in Chapter VI, private gifts in addition to state financing should be sought for this needed facility. In particular, such a facility would benefit greatly a proposed applied sciences program which would help in the development of joint programs with The Milton S. Eshersky Medical Center. . . .

Radnor Center for Graduate Studies and Continuing Education

... The organizational arrangement and the specific programs delivered at the Radnor Center should be considered closely and reassessed no later than January 1982. The types of programs, organizational relationship and leadership at the Center should be modified, as required. . . .

Need for New Focus

In order to achieve the desired level of quality and coordination in programs that transcend traditional disciplinary, college, and campus lines, as well as the three missions of the University, new administrative foci will be needed in the decade ahead. Health-related programs and programs within the international arena are two examples of the emerging areas deserving of increased coordination and emphasis. . . .

A Focus on Health-Related Programs

An increasing knowledge of the impact of environmental factors on health, a larger number of older people in Pennsylvania, an expansion of the current system of health care, and a higher value on the quality of life in the decade ahead will present demands for health-related educational programs that Penn State as a Land Grant institution should pursue rigorously. The University has a number of quality health-related programs scattered throughout the University—e.g., medicine, nursing, gerontology, nutrition, pharmacology, genetics, physiology, environmental health, pollution control, bioengineering, and medical equipment technology. It currently lacks, however, a sufficiently coherent policy on health education programs. . . .

Health manpower needs, student demand, and institutional capability should be examined in establishing priorities and selecting those programs in the area of health education which the University wishes to pursue. Although a separate college or school is not required, the University should create a new organizational focus to signal clearly its commitment and intentions to meet the health needs of the citizens of Pennsylvania. . . .

A Focus on International Programs

In an increasingly interdependent world, Penn State must provide a wide variety of international experiences for as many students and faculty and staff members as possible. A strengthened University-wide international division is essential to help education's graduates cope with the complex international events which have direct effects on their lives and to help them assume a role of community leadership in responding to these events. . . .

At present, responsibility for the development and coordination of these programs is fragmented in several offices across the University, limiting Penn State's ability to respond to emerging opportunities. To coordinate and manage University-wide efforts in meeting the above goals, the University should consider the establishment of an appropriately organized office. Such an approach would provide the visibility requisite to the creation of a new focus on international programs and the authority to carry out the task required. . . .

CHAPTER III ENROLLMENT PROSPECTS Factors Affecting Higher Education Enrollments

... The three primary external factors which influence the magnitude of higher education enrollments are: (1) the size of the population group typically associated with each level of

enrollment, (2) the proportion of this group eligible for attendance, and (3) the proportion of the eligible population electing to "participate" or enroll. . . .

Population

For the balance of this century, the effects of demographic forces upon higher education enrollment in Pennsylvania can be predicted with reasonable certainty. (See Figure 2.) . . .

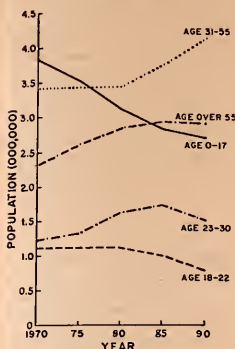


Figure 2. Pennsylvania Population by Age Sector (Actual 1970-78, Projected 1980-90)

Of paramount importance to the magnitude of future higher education enrollments in Pennsylvania is the population between 18 and 30. The age 18-22 group, from which over 70 percent of undergraduate enrollments are drawn, is expected to fall by 27 percent between 1978 and 1990, paralleling a 31 percent decline in high school graduates. The age 23-30 group, which constitutes about 70 percent of the enrollments at the graduate level and in a variety of adult education activities, will experience a modest increase in the '80s, but will return to its 1978 level by the end of the decade.

. . . the reduction in the number of high school graduates between 1978 and 1990 will not be distributed evenly throughout Pennsylvania. The greatest losses will be experienced in the western counties and in the region adjoining Philadelphia. . . . Since the Commonwealth Campuses and Behrend College draw most of their students from their immediate areas, wide variation in enrollment trends among campuses is likely to occur.

Participation

The future course of college participation rates among those eligible to attend is not as clear. In 1960, only 29 percent of Pennsylvania's high school graduates enrolled in college in the year after graduation. During most of the '60s, the rate continued about 70 percent of the decade, however, the rate stabilized at 45 percent and remained there for several years. . . .

. . . some analysts suggest that the economy of the '80s, with its prospects of slower growth and a composition less favorable to education-intensive sectors, will not offer economic incentives for college attendance comparable to those of the '60s. As a consequence, college participation rates could drop, perhaps by one-third or more, by 1990. . . .

Alternatives for the Future

Coupling the effects of changes in the college age population with those of college participation rates produces two different patterns for possible higher education enrollments in Pennsylvania between 1978 and 1990. If college participation rates stabilize at the level of the early '70s . . . enrollment would drop roughly 25 percent across the state. On the other hand, if college participation rates were to drop as well, then an enrollment decline as high as 50 percent could occur. . . .

Impact upon Penn State

At the present time, Penn State's enrollment position is relatively strong. Enrollments at the graduate level, and in nondegree credit and correspondence study have declined somewhat, whereas those at the undergraduate level and in the noncredit formal and informal program area show no signs of incipient erosion. The strength of the University's current position, however, does not imply that the more pervasive trends in population and college participation rates will

not influence Penn State's enrollments in the next decade.

For this reason, the projections of the University's enrollments in the '80s presented in the subsequent sections of this chapter provide an enrollment range for each enrollment category. The upper level assumes the college participation rates in effect in the early '70s, while the lower assumes a declining rate of participation. Penn State must take into account both of these possibilities in order to be in a position to respond appropriately. . . .

Resident Credit Enrollment

Resident credit enrollment is shown in three categories: undergraduate degree, graduate and medical degree, and nondegree.

The undergraduate degree enrollment category is comprised largely of 18-to-22-year-olds in full-time study for an associate or baccalaureate degree. Graduate students are older than undergraduates, and about one-half pursue their studies on a part-time basis. The nondegree category consists primarily of individuals from 18-30 years of age who have diverse interests and who usually attend on a part-time basis without an expressed degree commitment. For some, the objective may be preparation for matriculation as a degree candidate, but for others, attendance may be related to professional or specialized intellectual interests. Because each of these groups is unique, the forces governing their future enrollment prospects in each category differ. . . .

University-Wide Impact

Assuming that college participation rates remain the levels achieved in the early '70s, the University's total resident credit enrollment . . . is likely to drop by only 8 percent from 56,900 in 1978 to 52,500 in 1990. A severe erosion in college participation rates, on the other hand, could cause a decline as high as 40 percent to 34,300 in 1990. In both cases, most of the decline in enrollment by 1990, as depicted in Figure 4, will be in the undergraduate degree category, the largest element of the University's resident credit enrollment and the one affected most adversely by the population changes of the '80s.

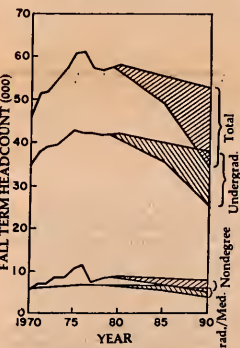


Figure 4. Penn State Resident Credit Enrollment by Category* (Actual 1970-78, Projected 1980-90)

*The upper limit in each enrollment category assumes college participation rates of the early '70s. The lower assumes the rates will drop by about one-third by 1990.

The drop in total resident credit enrollment, under conditions of stable participation, is expected to be concentrated largely at the Commonwealth Campuses . . . for three reasons. First, many of the campuses, designed to serve local area constituencies, are located in regions of significant college-age population decline. Second, if campus enrollments decline and, thus, the numbers of juniors and seniors moving to the University Park Campus decreases, the University Park Campus would be able to admit, within its 32,500 enrollment limit, a larger number of qualified freshman applicants who had named University Park as their first choice. This, in turn, would reduce the number of applicants available for referral to a Commonwealth Campus. Third, since the acceptance rate on offers of admission to campuses other than the student's first choice (referral admissions) declined to about one-half of the acceptance rate of first-choice applicants during the '70s, prospective students would be lost through referral. Therefore, the University should accommodate student choice when space is available. In the long term, it is likely that each Penn State campus will serve principally

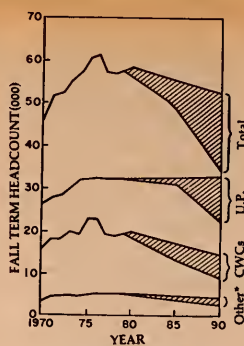


Figure 5. Penn State Resident Credit Enrollment by Location** (Actual 1970-78, Projected 1980-90)

**Behrend, Capitol, Hershey, and Radnor

**The upper limit in each enrollment category assumes college participation rates of the early '70s. The lower assumes the rates will drop by about one-third by 1990.

those students electing that campus as a first choice.

On the other hand, if an erosion in college participation rates were to occur, the numerical drop in resident credit enrollment between 1978 and 1990 likely would be almost equal at the Commonwealth Campuses and at University Park, as shown in Figure 5. Under these circumstances, none of the campuses of the University would have a sufficient number of qualified applicants to maintain current enrollments under the existing standards of admission. . . .

Resident Credit Enrollment Strategies

Penn State's enrollment also will be shaped by the manner in which the University responds to the forces governing changes in population and

effort. Penn State as a Land-Grant university has the responsibility to provide the educational, financial, and cultural environment which will assure that minority group students have the opportunity to succeed. To serve the Commonwealth of Pennsylvania fully, the University needs the many contributions provided by a diverse student body.

Qualified transfer students from other institutions also should be encouraged to complete their education at Penn State. . . .

Retention

. . . Each year nearly 15 percent of the University's undergraduate degree students withdraw.

. . . Penn State should continue to explore ways to improve student retention. Intervention strategies aimed at retaining students can be effective counter measures to potential enrollment declines.

Enrollment Through Continuing Education and Cooperative Extension

Although Penn State's size and impact often are judged on the basis of its resident credit undergraduate and graduate programs, the University serves far greater numbers of Pennsylvanians through its Continuing Education and Cooperative Extension Service programs.

Collectively, the students enrolled in these programs are usually beyond the typical college age and have diverse interests. Their educational experience is a part-time activity and their attendance is often intermittent. The activities which they pursue may be categorized as nondegree, noncredit programs, and correspondence study. . . .

Before considering these enrollments in Continuing Education and Cooperative Extension, however, another view of these activities must be provided. Many of these programs, particularly the informal, are delivered for periods which do not conform to the University's term calendar. New programs begin and end at various times during each term. Accordingly, in order to comprehend the full magnitude of these activities, annual program enrollments should be considered.

In 1978 total enrollments in credit, formal, informal, and correspondence courses through

Table 9
Penn State Other Credit and Noncredit Enrollment
(Actual 1970-78, Projected 1980-90)

	Fall Term Headcount (000)			
	Nondegree	Noncredit	Correspondence	Total
1970	7.0	14.4	2.8	24.2
1975	7.5	25.1	2.9	35.5
1978	2.6	26.6	2.4	31.6
1980	2.5-2.8	26.5-28.6	3.0-3.5	30.1-35.9
1985	2.2-2.6	25.0-29.8	2.9-3.5	30.1-35.9
1990	1.4-2.4	18.0-31.3	2.2-3.3	21.6-37.0

the rate of college participation. The central goal of Penn State's enrollment policy in the '80s should be the maintenance of the academic quality of the student body. . . .

Recruitment and Admissions

The determination of who is able to benefit from a higher education should continue to be made on academic grounds. Although recruitment strategies should be directed toward improving participation rates, Penn State should continue to admit to degree programs only those students who are qualified academically.

. . . The University will devote special attention to increasing the proportion of highly qualified Pennsylvania high school graduates applying to Penn State. A new emphasis on recruiting out-of-state students also should be established and further incentives for these students to attend Penn State developed. Alumni should be a valuable resource in this effort. Special recruitment efforts should be targeted at the upper admissions categories both within and outside Pennsylvania to encourage academically gifted students to consider Penn State. High school students with special talents should be made aware of the opportunities in their fields which Penn State can offer. . . .

Special recruitment programs for minority students at the graduate and undergraduate levels will be continued and improved. The community centers in Philadelphia and Pittsburgh and the special office for minority student recruitment in the Graduate School should be maintained as a way to reach out to members of minority groups. The service of minority group alumni and community leaders should be sought in an increased recruitment

Continuing Education were approximately 140,000. For the same period, educational service provided by Cooperative Extension in farm technology, family living, nutrition, community development, and 4-H youth reached enrollments in excess of 2.5 million. Educational meetings sponsored by Cooperative Extension and conducted by Extension staff and volunteers were attended by 1.2 million people. . . .

University-Wide Impact

Assuming stable participation rates, enrollment in Penn State credit and noncredit education activities under the auspices of Continuing Education and Cooperative Extension, as summarized in Table 9, will rise from 31,600 in 1978 to 37,000 in 1990, a gain of 17 percent. An erosion in participation, particularly in noncredit programs, could cause a decline of 32 percent, from 31,600 to 21,600 by 1990.

Conclusion

. . . The University must enter the '80s with an aggressive recruitment program and the flexibility to add and contract at various levels and locations as needs arise. Such a posture will allow Penn State to retain control of its destiny, emphasizing selective excellence in its admissions standards and academic programs.

CHAPTER IV THE DEVELOPMENT OF STRENGTH: FACULTY AND PROFESSIONAL STAFF*

By the end of the '80s, if the University is to emerge as a stronger, more flexible and vital institution, it must attract and retain a faculty and professional staff of the highest quality and commitment. A climate of intellectual freedom, diversity, and challenge must be preserved and enhanced.

Professional Development and Vitality

A series of conditions facing the University intensifies the need to give attention to the professional development and vitality of faculty and staff members. In contrast to the past decade in which academic personnel were highly mobile and the number of young professionals entering the University exceeded the number of those retiring or moving on, faculty and staff members in the 1990s are likely to be older and less mobile.

In order to maintain and extend the intellectual quality, vitality, and flexibility of its faculty and staff members, the University should encourage faculty and staff members to take advantage of existing opportunities for professional growth and development. For example, many eligible faculty members have not applied for sabbatical leaves because of instructional and other demands. The value of the infusion of new ideas is so important that department heads, directors, and deans should see that fiscal resources and encouragement are provided to take advantage of such opportunities. Additional opportunities such as time to engage in intramural and inter-institutional exchange programs, professional meetings across disciplines, and experiences in business and industry should be developed. Deans, department heads, and directors of campuses, divisions, and research units, working together with senior faculty members, bear the responsibility for taking the lead in assuring continued academic growth and high productivity on the part of all members of the faculty and staff.

Academic freedom is the lodestone of faculty education nationally and at Penn State. In particular, may pose threats to that freedom. If faculty and staff members become increasingly security conscious, they may tend to become more conforming and feel less free to pursue riskier, albeit potentially productive, avenues of inquiry. It is not easy to determine what is truly innovative. The tendency to innovate, however, may decrease both in instruction and in research unless innovation is encouraged and supported actively. The University should promote intellectual risk-taking and the vigorous exchange of ideas.

Although research and scholarship are required of all faculty members, junior faculty members need an extra dimension of encouragement and assistance. Special efforts to assist junior faculty members as researchers and teachers should be implemented, including, whenever possible, increased seed money for research projects, time for concentrated study and writing, and the opportunity for collaboration with senior faculty members or in intercollege research programs. Early, clear evaluations of academic performance must be provided to junior and non-tenured faculty members.

The senior faculty members from whom high productivity already is presumed should receive encouragement and rewards to redouble their efforts to obtain external funding for research and to continue to build the reputation of the University in the areas of teaching and public service. . . .

Affirmative Action

A vital academic climate draws strength from a pluralistic faculty and staff which includes a mix of ranks, ethnic groups, sexes, ages, and social backgrounds. At present the University faculty and the professional staff do not reflect adequately the diversity present in the society at large. The relatively small number of women and minority group members on the faculty and in the administration after six years of affirmative action indicates that the University must devote even more energy to this effort. Women and minority group members should be encouraged to enter fields in which they are underrepresented. The University should increase its efforts to enhance the diversity of its academic personnel by fulfilling its goals in its Affirmative Action Plan and by providing added incentives to retain these individuals following appointment. . . .

Academic Personnel Policies

The quality of the University's faculty and professional staff members is related to the quality of its personnel policies, i.e., its appointment, evaluation, tenure and promotion, and compensation criteria and procedures. The University's increased selectivity in missions and programs should be reflected in the academic reward system. The President and Provost, in consultation with the University Faculty Senate, should continue to be responsible for the ongoing evaluation of criteria and procedures used in the appointment and evaluation of faculty and staff members.

Appointments

In the decade ahead each faculty and staff appointment is likely to receive even greater scrutiny to insure that the University's interests are served fully. Departments and programs in which appointments are made should be expected to provide more evidence that a new faculty or staff member is the best person available and that the appointment represents a high priority for the mission of the unit. . . .

Increasingly, short-term research and instructional demands are being met by appointing faculty and staff members on non-tenured appointments. The University should continue to provide fair treatment in assignment and compensation to non-tenured appointments. The University Faculty Senate should encourage an appropriate voice in governance for these individuals.

If morale is to remain high, faculty and professional staff members must retain a strong sense of both freedom and responsibility in their work. To promote this sense and to insure flexibility and initiative, the University should encourage more flexible appointments and contracts, including increased opportunities for possible joint appointments, faculty exchanges with other institutions, and short-term leaves of absence for intensive research, teaching, or public service assignments outside Penn State.

In 1982, the mandatory retirement age for tenured faculty members will increase from 65 to 70 years of age. The number of persons choosing to retire at the mandatory age will continue unless additional incentives are provided to encourage earlier retirement. . . .

Evaluation

Faculty and staff members at Penn State are expected to perform their assigned responsibilities at the highest levels of professional excellence. In return, Penn State faculty and staff members expect that each person will be recognized and rewarded on the basis of the merit with which assignments are carried out. Means should be devised for evaluating and rewarding excellence of performance. An individual faculty member's assignment differs greatly, however, in the proportion of effort allotted to instruction, advising, research, and public service. Many faculty members are experiencing conflict in setting priorities among these areas. Faculty members are expected to meet high standards for performance in all areas, for instance, and to contribute equally to both unit and University missions.

The problem is exacerbated for the one-quarter of Penn State's faculty at the Commonwealth Campuses. The Commonwealth Campus system is administered academically by colleges and departments at University Park, with local assignments made by the campus director. These faculty members must be responsive to demands by both department heads and campus directors. In addition, they feel some professional isolation because of their geographic separation from their departments. In some cases, there is no critical mass of faculty members at a campus with similar research interests. Morale suffers as a result. The University should be sensitive to the special demands placed on Commonwealth Campus faculty members who often exert extraordinary effort to participate fully in University-wide affairs. As the details of the administrative integration of the Commonwealth Campus system and the Office of the Vice President for Continuing Education are worked out, the academic and personnel issues which remain unresolved should be studied.

Performance assessments of faculty and staff members should occur regularly during all stages of their careers and should reflect the variety of assignments performed. Supervision of the review process is the responsibility of the department or campus director who includes opportunities for peer review from both inside and outside the University.

Individual faculty members who have achieved tenure or the rank of associate professor or above should expect to undergo a thorough review of their performance and workload on a regular basis. Individuals who are ineffective in high pressure assignments become an increasingly costly drain on scarce

University resources. The University Faculty Senate in conjunction with the President, the Provost, and deans should devise incentives to assist department heads and campus directors in evaluating and encouraging the academic effectiveness of all faculty members regardless of rank or tenure status. Faculty and staff members should expect to know as explicitly as possible where they stand and what the future is likely to provide.

Promotion and Tenure

The purpose of academic tenure is to preserve academic freedom, the *sine qua non* of university life. It undergirds the professional dignity of faculty members whose performance has met the expectations of the excellence. Without the freedom to teach, to search, and to disseminate ideas openly and without fear, the University and the individuals within it cannot achieve true excellence nor aspire to greatness.

All faculty members must be scholars and must demonstrate continually their capacity for superior scholarship. Decisions to grant promotion or tenure must first address qualitative considerations. Promotion and tenure decisions also involve, however, a long-term commitment of fiscal and academic resources on the part of the University to the work of the individual faculty member. The impact of personnel decisions on program and probable financial resources increasingly must be taken into consideration in the tenure process. . . .

The University must provide consistent and fair promotion and tenure review processes which stress excellence and due process. The recognition in evaluation processes of the diversity of assignments of faculty members within and among all divisions, campuses, and departments causes deep concern to some faculty members. The evaluation process leading to both promotion and tenure must be sensitive and fair to the persons being evaluated.

Probationary faculty members in general and Commonwealth Campus faculty members in particular may need greater assistance from their department heads and campus directors to understand the criteria on which their efforts are evaluated and the weighting of individual criterion. The kinds of work required to meet the criteria and how a particular assignment fits into the overall mission of the University should be made clear. Every effort should be made to assist probationary faculty members to assess early and realistically the likelihood of gaining tenure.

Promotion must be based on clear criteria of excellence. Mere longevity and seniority in rank are not grounds for promotion. Individuals should provide evidence of continuously superior performance and peer esteem.

Compensation

The University faces a challenge in attempting to keep its salaries and fringe benefits for faculty and staff members fully competitive with similar institutions and other professional opportunities, as well as truly reflective of individual accomplishments. Faculty compensation University-wide will be eroded greatly under present rates of inflation unless means are found for immediate and long-lasting support.

A compensation strategy for faculty and staff members that is responsive to the diversity of competitive pressures of assignments and responsibilities is essential. Such a strategy should reaffirm Penn State's commitment to award compensation on the basis of merit rather than on an across-the-board basis.

Academic Leadership

An era of increased selectivity requires different patterns of academic decision making which will make new demands on academic leaders at all levels. While there will continue to be a need for committees composed of faculty and staff members to advise administrators and to review decisions, it is impossible and undesirable to free administrators from the necessity of making difficult choices. Courageous leadership is essential and must be exercised by those in positions of academic authority — the President, the Provost, deans, campus directors, and department heads.

The leader must have the responsibility and the authority consistent with high expectations. Department heads, deans, and campus directors must be held responsible for both programs and budgets within their academic purview. Accountability requires that the criteria on which decisions are made be disclosed to those affected by the decisions; that those affected by the decisions have the right to be consulted prior to the decision; that the process by which decisions are reached is well understood; and that adequate opportunity be provided for reactions after decisions have been reached.

Individual academic leaders need better preparation for their roles. Department heads play a pivotal role in the appointment,

evaluation, and reward of faculty and staff members, for example, and they also must manage an ever-increasing amount of information department heads and campus directors in managing their responsibilities, a leadership development program should be instituted to include on-campus sessions, expanded opportunities to attend various regional and national programs, and other training opportunities. The University reward system should reflect the importance of involvement in leadership responsibilities and should promote effective performance.

A special need exists to identify and develop women and members of minority groups for leadership positions. The University should step up its efforts in this regard, using the Provost's Fellows Program and similar programs at the college and campus levels. Because of the small number of women and minority group members available to move in leadership and advisory positions, however, such responsibilities may multiply disproportionately beyond regular roles. In performance assessments, the University should be sensitive to the additional roles such individuals may be performing.

Governance

Shared responsibility for governance between faculty members and administrators is essential for the effective functioning of a major university. Although primary responsibility for certain specific decisions must lie with either the faculty or the administration, both faculty members and administrators must participate actively and constructively in the making of decisions establishing the policies and operations of the University. . . . Both faculty members and administrators should exercise initiative and leadership in the academic enterprise. Together they should establish general priorities and work to insure the flexibility of the University while maintaining its essential nature and high quality.

Faculty participation in governance is visible most often through the interaction of the Senate and the central administration. Consultation between faculty members and senior administrative officers through the Senate's committees should be enhanced. The Senate committee structure should continue to be organized generally parallel to the central administrative structure of the University. The Board of Trustees should continue to maintain communication channels with the faculty by inviting the Senate officers to attend regular meetings of the Board of Trustees and its committees.

Continued attention should be given to the provision of appropriate faculty consultation at the department, college, and campus levels. Joint faculty-administrative planning of departmental, college-campus academic programs and identification of resource priorities should be emphasized. Commonwealth Campus faculty members . . . should have appropriate opportunities to participate in decision making at the department and college levels.

Although a distinction may be drawn between consultation and decision making, clearly the channels of communication between faculty members and administrators should be available and used during the '80s when the University is required to exercise great flexibility. Effective shared governance depends upon a sense of community, trust, and mutual accountability. Regular consultation between faculty members and administrators should be maintained for smooth departmental and college operations, and persons or groups who provided consultation and advice should be informed of final decisions and the reasons they were made.

Meaningful joint governance helps to insure high morale and continued faculty vitality, but the primary functions of faculty members are to teach and conduct research and public service. . . . Without reducing the effectiveness and extent of faculty participation, the University should seek continuously to strengthen and sharpen joint governance mechanisms while making more efficient and productive use of faculty members' time.

Responsiveness to Shifts in Demands

Changing student preferences and societal demands in the next decade will result in the need to shift resources among areas of study and among instruction, research, and public service. To accommodate these changes, efforts should be made to increase faculty flexibility.

Instructional and Public Service Response

The responsibility to carry it's research, services, and teaching to the people of the commonwealth is a unique mandate of Penn State as the Land-Grant University. The diversity of citizen concerns and issues should be addressed with renewed vigor by faculty and staff members from across the University, and creative initiatives in continuing education and

*The issues addressed in this chapter are limited to the special concerns of faculty and professional staff members. Discussion within the Task Force and the Steering Committee related to the many concerns of other University constituencies. These will require further study and clarification.

Cooperative Extension and other agencies of public service should be encouraged and rewarded.

To meet student interests in specific new programs and courses which are consistent with its central thrusts, the University should encourage the development of instructional consortia among faculty members in the areas of high student demand. The University also should experiment with ways to enable faculty members to participate in cooperative arrangements, involving both geographic and cross-disciplinary ties, in order to offer more effectively its academic programs.

Research Response

The effort to develop new knowledge is highly competitive and fast-moving. In order to maintain its reputation as a leading research university, Penn State, through its faculty and research staff, should develop new research initiatives.

The University Park campus and The Milton S. Eshesby Medical Center have been designated to carry the major research mission. . . . More faculty members need to devote more time and energy to research, whether internally or externally funded. The additional resources generated by internally funded research as well as the new contributions to knowledge by research are vital to the University and the Commonwealth. Greater efforts should be made to assist faculty members in developing research programs and in seeking external funding sources.

. . . Research institutes are an excellent response for responding to national research priorities. Research personnel should be integrated more thoroughly into the mainstream of faculty life.

The leading edge of research is frequently at the boundaries of two or more disciplines. Individual faculty and staff members who demonstrate particular interest and ability to work in new interdisciplinary and interdepartmental teams should be given strong support at all levels as well as increased recognition. Funds should be allocated for special efforts to initiate and stimulate interdisciplinary initiatives. Deans and department heads should encourage inter- and multi-disciplinary research so that their faculty may be engaged fully in productive and professional research.

Program Consolidation

Earlier in this Plan the consolidation and realignment of some academic units and programs were recommended. To govern this consolidation, realignment, the University should adopt the criteria of quality, demand, cost, and flexibility. Although consolidation efforts should not be motivated solely by cost, any strategy of consolidation and realignment should be linked to the on-going program and budget evaluation cycles. Every effort should be extended to provide sufficient lead time to involve adequate consultation and adjustment. Final decisions, however, should not be delayed unnecessarily. Effective and open disclosure and administrative accountability are essential foundations for successful consolidation efforts. Well-analyzed, selective consolidation and realignment that are geared to long-term academic effectiveness and excellence are more likely to accomplish the goal of a strong and secure University.

The Provost should continue to allocate resources which will permit colleges to make temporary appointments to meet unexpected program demands and new opportunities. The University should provide tenured faculty members whose programs and positions have been reduced or phased out with assistance in relocation or retraining. Funds should be made available for this purpose. Faculty and staff members should be informed of their rights of job security, fringe benefits, and other matters, and feel free to exercise them. . . .

CHAPTER V THE DEVELOPMENT OF STRENGTH: STUDENTS

Each generation of students makes its own significant contribution to what a college or university purports to be. Although the needs and expectations of students change, the students' contributions can become far more pervasive of the total collegiate experience. A goal for Penn State in the 80s should be the enhancement of the relationship between the University's academic programs and the life of its students.

Academic Concerns and Expectations

. . . One of the goals of the Land-Grant philosophy is to combine quality with access, i.e., reasonable cost. Neither should be sacrificed at Penn State. The University must safeguard its financial base, but it also must strive to ease the

students' financial burden. The students' proportionate share of the cost of education should be increased only when all other measures have been exhausted. . . .

Student input should be a crucial part of any discussion regarding baccalaureate degree requirements. . . .

In addition, where students express a career concern, expansion of practical experience programs may be appropriate. . . .

Instruction and Advising

In any large university, the quality of instruction and advising varies widely from department to department and from instructor to instructor. But must be strong. Departments should take the responsibility for determining that adequate standards of instruction exist for all their courses, and improvement should be required of instructors who are not meeting these standards.

At University Park, large classes, dictated by financial realities, tend to induce a feeling of anonymity and automation on the part of students. Faculty members and teaching assistants should be alert to the difficulties that they and their students may encounter in large classes. Departments should screen all faculty members and graduate assistants involved in classroom instruction to confirm that they possess sufficient command of the English language. Orientation and training programs for all teaching assistants should be instituted to assure that they are not only knowledgeable in their fields but also have a command of basic teaching techniques and procedures.

At the Commonwealth campuses, efforts must be made to provide instructors with some variety in teaching assignments whenever possible. It is the rare individual who can make the ninth section of the same course taught in the same year as vital and exciting as the first section taught that year. When televised and programmed courses are offered, they should be augmented by opportunities for individual sessions between students and instructors.

Participation in Decision Making

. . . The most important and far-reaching results of student participation in decision making can be achieved at the department and campus level. It is there that students can participate in course and program development and in the evaluation of teaching, courses, and prospective faculty members.

The extent to which students and faculty members take advantage of the mechanisms available for participation in decision making varies widely. Students should have the opportunity to participate in making decisions that affect them at all levels of the University in the decade ahead. The obligation to participate, once assumed, brings with it responsibility to perform actively.

Concern for the Extracurricular Environment

The philosophical approach taken by any institution of higher learning toward its student body is an essential factor in determining the overall climate in the university community. The institution's goals for, as well as expectations and treatment of, its students can create a positive experience for each individual. A Penn State education should be much more than a series of disconnected exposures to various academic disciplines with periodic examinations interspersed. The extracurricular, as well as the classroom environment at Penn State, should encourage creativity, intellectual growth and expression, and self-reliance. One of the University's main tasks is to help its students develop as responsible, mature individuals.

The level and quality of interaction between students and faculty members, administrative officers, and professional staff members is an important element in student development. Involvement of University personnel in those aspects of student life which take place outside the classroom, including service as advisors to student organizations, participation in residence hall programming, and other activities involving student-staff dialogue, should be encouraged and recognized. . . .

Commuting and Off-Campus Residents

. . . students hold part-time jobs which take up much of their out-of-class time. Efforts should be made to schedule more cultural and social programs for these students at convenient times, e.g., programs should be offered during the day between classes and on weekends.

Residence Hall Students

. . . The need to replace the obsolete Nittany Halls and to house a greater number of freshmen as the mix of students at University Park changes in the decade ahead suggests that the availability of on-campus housing be reassessed at University Park. If need be, demonstrated, planning for construction should begin soon.

The construction or renovation of residence halls, plus imaginative use of existing space, would provide an opportunity to experiment with different approaches to the size and type of living facilities, their structural configuration, and method of supervision. Living environments more in tune with the academic purposes of both the student and the University might be developed. . . .

A Diverse Student Population

In planning for the decade ahead, the Land-Grant university of the Commonwealth should continue to recruit a student body that reflects Pennsylvania's rich, pluralistic cultural heritage. While the University is more than just a sum of its parts, several distinct segments of the student population have special needs and interests.

Ethnic and Racial Minority Students

The educational and cultural climate of the University and communities which surround its campuses is oriented heavily toward the majority student population — a situation which presents particular problems for students from minority ethnic and racial groups. . . .

. . . Efforts should be stepped up to provide encouragement and assistance to minority students through special programs for minority faculty members and alumni. The University should explore the possibility of student exchange programs with Pennsylvania's two predominantly Black colleges and consider developing an industrial council to provide financial support and summer employment opportunities for minority students. . . .

Women Students

. . . The University is committed to insuring that all academic programs are open to women and that resources are allocated to meet women's needs for extracurricular activities, counseling, and leadership opportunities. Penn State is a leading educational institution in precisely those career areas in which women have been underrepresented in society. In the decade ahead the University should increase its efforts to encourage women to enter its many scientific and professional programs. . . .

. . . Through such efforts as women's studies and other special programs, the University should strive to promote contact between women students and women leaders on campus and in society.

Because women comprise the majority of participants in continuing education programs, those responsible at Penn State for planning these programs must remain sensitive to women's educational interests and alert to facilitating their participation.

International Students

. . . In the decade of the 80s, Penn State continually should assess and adapt academic and out-of-class programs to meet the changing needs of students from other countries. . . .

Nontraditional Students

In the years to come, nontraditional students — those who are older than the traditional 18- to 22-year-old college group — may form an increasingly important segment of the student population. . . . Efforts should be made to facilitate their integration into the University community. . . . The University should avoid thinking of students as a homogeneous group and should respect the maturity and integrity of all students. . . .

Graduate Students

. . . Penn State should be more sensitive to the special needs of its graduate students and make available to them the same information on housing, grant-writing, insurance, and taxes.

Approach to Student Services

As with other University programs, the provision of student services should be evaluated according to the criteria of quality, need, and cost. . . .

Because of the escalating costs of higher education, some authorities have advocated separating the cost of various support services from those directly concerned with the educational mission of an institution. . . . This fee-for-service-rendered approach already in limited use for example at the Ritner Health Center, where students are charged for prescriptions and rooms but not for the physician's examination. Extension of this principle to other services should be studied.

Conclusion

The student will continue to be the focal point of the University's concern at all levels. The concern for quality extends beyond the classroom into all aspects of the student's life. Understanding and interaction among thousands of students of diverse racial, ethnic, regional, and national heritages, apart from intellectual and personal growth. Changes in the University will be evaluated, therefore, in terms of minimizing the costs of students and enhancing

the quality of their education and personal development.

CHAPTER VI THE CHALLENGE OF THE 1980s: RESOURCE REQUIREMENTS

Policy Variable Trade-Offs

. . . Four major policy variables affect the real value of University resources: state appropriations, tuition, personal services compensation, and the number of personnel. It is not realistic to expect that any single variable, such as increases in state appropriations, will resolve the University's continuing cost-income squeeze. Consequently, the University will be required to make trade-offs among all four variables. . . .

. . . There are relatively few combinations of these variables which result in a balanced general funds budget, thus indicating the nature of the "cost-income squeeze" facing the University. . . .

Expenditure Policies

A number of qualitative issues need to be investigated in analyzing policy alternatives that might be considered. . . . Such an investigation will yield expenditure policies to guide the University's annual budget decisions through the 1980s.

Academic and Staff Salaries

The core element in the University's academic program is the quality of its faculty and staff. Academic and staff salaries also constitute over 70 percent of the University's general funds budget. . . . Each one percent change in academic and staff salaries would cost/save the University \$1.6 million. If no salary increases remain the same. Further, because salary increases in one year form the base for succeeding year salary increases, changes in this policy variable have a cumulative effect over time. This effect is pronounced if the personnel turnover rate is low.

Despite these substantial fiscal implications, the University should maintain salaries that are competitive with comparable universities and general labor market conditions in order to attract and retain the best faculty and staff members. Salaries should be adjusted to achieve equity and to reward meritorious performance in teaching, research, and public service.

Nonstanding Academic Positions

Closely related to the issue of academic and staff salaries is the question of the number of nonstanding academic positions, i.e., commitments to persons for a fixed period, such as one year. In 1977, nonstanding academic salaries accounted for 18 percent of total academic salaries. . . .

The University should review continually the proportion of the total faculty holding nonstanding academic positions. Such reviews must balance the factor of increased flexibility against the impact of losses in the cohesiveness of departmental programs, the continuity of departmental standards, and the quality of student advising.

Student-Faculty Ratio

In 1978-79, the University's overall student-to-faculty member ratio was 19 to 1. The University at least should maintain and, where possible, reduce this ratio. . . .

The student-faculty ratio may be influenced by other aspects of the academic system. The University should reexamine academic support structures, including the term system — especially the summer term, to identify resources that might be reallocated to effect a reduction in the student-faculty ratio.

Academic Support Services

. . . All support programs should be reviewed periodically, just as are academic programs, using quality, need and cost criteria.

University Libraries. Access to information is a necessary condition of teaching and research. In the decades ahead, the University's Libraries will be confronted with major problems arising from continuing, rapid increases in the amount of information to be stored, a higher rate of inflation for library materials, technological advances in the storage, processing, and retrieval of information, and increasingly tight budgetary constraints. The University should seek to reverse the decline in the purchasing power of the materials budget of the University Libraries.

The University Libraries should continue to give attention in the allocation of their acquisition monies to those program areas of highest priority to the University. . . . Information needs of the University which transcend the boundaries of individual academic programs also should be identified by the Libraries.

Departmental support services. . . . In addition to reductions from the internal reallocation of

funds, rising costs have eroded seriously the value of departmental resources. The University should improve the purchasing power of departmental budgets. . . .

Information systems. . . . In particular, the University should seek an objective evaluation of its current information processing capabilities, survey the state of similar institutions, and plan for a comprehensive modern system of data processing. Development of any new information systems should insure that adequate security procedures are incorporated so that privacy is protected fully.

The University also should work toward development of an interactive computing capability for instructional, research, and administrative purposes. . . .

. . . the current state-of-the-art in computing technology is rapidly developing in such fields as microprocessing, personal computing, and interactive communication, computing and processing. Penn State should develop a comprehensive and coordinated computing environment. . . .

Other support services. . . . The University should ensure . . . that all academic support services are reviewed periodically as to (1) their continuing need, (2) duplication, and (3) efficiency.

Internal Reallocations

The University is increasing selectiveness in the 1980s will require reallocation of resources according to priorities. Qualitative growth should be achieved partly by reducing and eliminating low priority programs and the resources associated with them. Consequently, the University should develop more explicit policies for program discontinuance. An integral element of these policies should be a statement of University obligations toward faculty and staff members affected by program closure, specifically its obligations concerning their retaining, transfer, and/or notice of termination.

Income Policies

To finance and maintain quality programs, the University must receive substantially increased support from state appropriations, external contracts and grants, and private gifts. . . . During the 1980s, trade-offs between income and expenditure policies and a vigorous search for new sources of income will constitute the University's principal fiscal challenge.

State Appropriations

. . . since 1972 inflation has increased 65.7 percent, while Penn State's appropriation from the Commonwealth has risen only 45.3 percent. In the same period, the University has found it necessary to increase tuition 73.7 percent. As a result, the fraction of the University's total budget supported from state funds also has declined. In 1972-73, the appropriation represented 50.5 percent of the real resources per student expended by the University, while in 1978-79 this percentage had fallen to 47.8 percent.

It is the University's intent to preserve the vast resources of its major public and Land Grant university, the Commonwealth should increase substantially its commitment to the University by a return to providing at least a 50 percent share of real expenditures per student. The University should make every effort to emphasize to Pennsylvania officials and to the public at large the contributions the University makes to the Commonwealth and the consequences of not providing this support. . . .

External Contracts and Grants

An important financial component in quality graduate and research programs is the support derived from external contracts and grants. Between 1972-73 and 1977-78, the real value of sponsored research funds obtained by faculty members had slipped modestly from \$22.4 million to \$21.9 million. . . .

Because contracts and grants result primarily from active solicitation by faculty members, the University should establish increased incentives to faculty members as suggested in Chapter II. Specifically, policies concerning the allocation of income from all sources, including the recovery of indirect costs, should be reviewed.

Private Gifts

. . . In its private fund raising, the University should give highest priority to raising funds for programs that can be funded only with private monies, e.g., endowed chairs, merit scholarships, and an enriched campus environment. Private giving can be combined effectively with general funds of the University; the Provost's Matching Fund is an example of this successful melding of forces. The Fund encourages departments and individual faculty

members, working with the Office of Gifts and Endowments, to solicit support for the replacement of worn-out or technologically obsolete instructional and research equipment. Although most private gifts will continue to be designated gifts, the University should increase the level of undesignated gifts whenever possible.

Student Tuition

. . . Increases in tuition need to be considered within the context of University efforts to economize, to be more efficient, and to generate additional income from all sources. The students' proportionate share of the cost of education should be increased only when all other options open to the University have been exhausted. Increases in student tuition should be coupled in the future, as they have been in the past, with a thorough review of the University's financial policies and practices. This review should ensure that all students apply for and receive that financial assistance for which they are eligible.

Policies to Increase Efficiency

As part of its strategy for adapting to the 1980s, the University should review policies that influence each of its various budget centers. In such a review, the central issue is: How can the operation of each budget center be enhanced to respond to the unique opportunities within its area and to strengthen the University as a whole? Three questions are critical to the resolution of this issue: (1) What is the nature of the problems confronting the budget center? (2) What type of leadership is expected? and (3) How is academic planning within the budget center linked to fiscal realities?

The University should examine the income-expenditure relationships for each academic unit. Such an examination would provide a comparison of the resources allocated to and the income generated by each unit. Because operating expenditures generally exceed directly attributable income, their difference constitutes a measure of the degree to which each unit is supported by general University funds. Such a measure indicates the "actual" level of general University support provided to each unit.

As an analytic and planning tool, this measure of "actual" resource allocation will be critical to decisions regarding the development of new programs, the continuation of existing programs and colleges, and the discontinuance of low priority programs. In each case, a measure of the extent to which a program or unit is or will be supported from general University funds is essential to the determination of University priorities. The use of such a tool does not preclude the University from attaching a high priority to a new or existing program which would require substantial allocations of general University resources. . . .

Capital Budget Planning

. . . Four principles are suggested for the review of capital budget proposals. First, space recovery and reallocation should be studied carefully. In most situations, the modification of existing facilities will be less expensive than constructing new ones. . . .

Second, to offset the effects of deterioration due to age, the University should continue to keep its present facilities in good operating condition. . . .

Third, the financing of capital projects should not create an unnecessary additional burden on the University's general funds operating budget. The University should seek aggressively state and federal funds for needed renovations and alterations. . . .

Fourth, capital projects should help to keep the University's maintenance and operating costs at a minimum. . . .

. . . the replacement, maintenance, and updating of research and instructional equipment should be considered in all capital budget planning. Maintaining high quality in instruction and research requires that the University's equipment be fully operational and contemporary. . . .

CHAPTER VII

AGENDA FOR ACTION

The objective for this Perspective on the '80s is twofold: First, to provide a statement on the status of Penn State as the decade of the '70s closes, and second, with this understanding, to provide initial directions in the '80s for the University by setting its priorities for the accomplishment of its objectives. Both the Plan and the process by which it was prepared serve to demonstrate the necessity of responsible stewardship of this Institution's resources and concern for the needs of the Commonwealth and the nation.

For the future, Penn State has declared its intention to achieve excellence in all it chooses

to pursue. The realization of the highest standards of quality will not be easy, and only by making difficult decisions of selectivity will excellence be attained. In striving for excellence in a period of uncertainty and rapid change, the University also must improve its flexibility. Alternative courses of action must be devised, and decision-making mechanisms must be refined so that changes may be made expeditiously and effectively to meet each new situation. If selectivity is exercised and flexibility is embraced in planning, then the University will emerge from the decade of the '80s a learner, though healthier, institution.

Implementation

Within several months following adoption of the Plan by the Board of Trustees, the President and Provost in consultation with the Faculty Advisory Committee and the Student Advisory Board will develop a program of implementation. Where appropriate, responsibility will be assigned to administrative officers, academic units, and committees for implementing specific recommendations, for conducting studies as needed, and for initiating discussions of tentative proposals presented in the Plan. As recommendations requiring Board of Trustee action are identified, they will be taken to the Board for consideration.

Ultimately, the implementation of any single recommendation cannot achieve the broader objectives. The attainment of these objectives is the responsibility of all members of the University community.

Monitoring Progress

The social and demographic perspectives which will affect Penn State during the 1980s are still evolving. Some of the stronger forces may not have their full impact until the middle of the decade. This Plan must be viewed as an agenda for action. Consistent with its objective, the Plan as well as the University must remain flexible. The success or failure of the Plan should be judged not by measuring whether any one or two recommendations have been implemented, but by the University's adaptability to changing conditions.

Redefinitions, reevaluation, and revision of the Plan, therefore, will be an ongoing process.

Accordingly, the University Council is charged with monitoring the implementation of the recommendations. Under the chairmanship of the Provost, the Council will explore the timeframe for implementing each recommendation and periodically will reexamine both the explicit and implicit assumptions and projections made in the Plan with the responsible individuals or offices. In March of each year the Council will provide a progress report to the President of the University, who will report, in turn, to the Board of Trustees.

Summary of Recommendations

The objectives of quality, selectivity, and flexibility have provided the framework for analyzing the University's missions, projected enrollments, faculty and professional staff issues, and student concerns. The recommendations which are summarized from the preceding chapters and are presented according to the objective each is meant to fulfill, rather than in the order in which each appeared in the text. Within each section, related recommendations are grouped together. . . .

The order in which recommendations are presented is by design. Effective leadership and decision making are required for Penn State to enhance quality. Thus, although the recommendations regarding leadership and decision making are drawn from the middle of the text, they are presented first in this summary. Following in order are recommendations regarding the quality of faculty and staff members and students, the quality of programs, both instructional and research, and the quality of student life.

Similarly, selectivity is influenced by the process for setting priorities, by the criteria used to set them, by specific strengths to be enhanced, and by new directions to be explored. Finally, to extend the University's flexibility, organizational changes are needed as well as more flexible policies regarding programs, personnel, and resources.

Recommendations

To maintain its position as Pennsylvania's capstone university, QUALITY must be the goal of all aspects of Penn State — leadership, faculty and staff members, students, and programs.

To Enhance QUALITY of Leadership and Decision Making, Penn State must:

1. Exercise creative academic leadership at all levels.
2. Prepare academic leaders better for their roles:

- a. Institute an academic leadership development program;
- b. Expand the Provost's Fellows and similar programs;
- c. Expand opportunities to attend regional and national leadership development programs;
- d. Identify and develop women and minority group members for leadership positions
3. Provide academic leaders with authority consistent with responsibility and high expectations and hold leaders responsible for programs and budgets within their purview.
4. Establish clearer channels of communication between faculty members and administrators
5. Address issues, whenever practical, through existing rather than ad hoc committees and commissions.
6. Consult those affected by decisions, disclose criteria for decision making, describe the decision-making process, and provide opportunities for reactions after decisions are made.
- a. Consider obligations to faculty members, students, and administrators affected by program closure;
- b. Provide appropriate consultation opportunities for Commonwealth Campus faculty members at department and college levels;
- c. Enhance consultation between faculty members and senior administrators through Senate Committees that parallel the administrative structure;
- d. Include student participation in the reassessment of the Baccalaureate Degree Requirements.
7. Strengthen joint governance mechanisms, while making more efficient and productive use of faculty time.
8. Encourage student participation in course and program development, including the evaluation of teaching, courses, and prospective faculty members at the department and campus levels.

To Enhance QUALITY of Faculty and Professional Staff, Penn State must:

9. Provide evidence that a new faculty or staff member is the best person available and that the appointment represents a high priority for the mission of the unit.
10. Increase efforts to enhance the diversity of academic personnel by fulfilling the goals in the Affirmative Action Plan and by providing incentives to retain individuals following appointment.
11. Encourage women and minority group members to enter fields in which they are underrepresented.
12. Report each year the results of the Affirmative action effort.
13. Expand the Affirmative Action Office relationship with all units undergoing searches for new personnel.
14. Assess continually the criteria and procedures for appointment and evaluation of faculty and staff members:
 - a. Provide consistent and fair promotion and tenure review processes which stress excellence and due process and which are sensitive to the persons being evaluated;
 - b. Include peer review from both inside and outside the University.
15. Conduct regular performance assessments, reflective of the variety of assignments, of faculty and staff members during all stages of their careers:
 - a. Devise incentives to assist department heads and campus directors in evaluating and encouraging academic effectiveness of all faculty members regardless of rank or tenure status;
 - b. Review regularly the performance and workloads of all faculty members, including those with tenure or at the rank of associate professor or above;
 - c. Inform faculty and staff members as explicitly as possible where they stand and what the future is likely to provide;
 - d. Expect all faculty members to be productive scholars; assess quality first in promotion and tenure decisions, but also consider the commitment of program and financial resources;
 - e. Reflect the importance of involvement in leadership responsibilities in the reward system and encourage effective leadership performance.
 - f. Encourage inter- and multi-disciplinary and interdepartmental research teams;
 - g. Encourage and reward faculty members who obtain external research funding and build the reputation of the department, college, and University;
 - h. Be sensitive in performance assessments to the additional roles that

*These amounts do not include contracts and grants awarded primarily to The Milton S. Eisenhower Medical Center through the Public Health Service and the National Institutes of Health. This was a specially developed period for research at the Medical Center and not characteristic of the rest of the University.

- women and members of minority groups may be performing.
16. Devise means of evaluating and rewarding excellence in teaching, advising, research, and public service.
 17. Assist Commonwealth Campus faculty members to understand the weighting of evaluation criteria; clarify the kinds of work required and how a particular assignment fits into the overall mission of the unit.
 18. Provide early, clear performance evaluations to junior and nontenured faculty members:
 - a. Implement special efforts to assist junior faculty members as researchers and teachers by providing, whenever possible, seed money for research projects, time for concentrated study and writing, and the opportunity to collaborate with senior faculty or in intercollege research programs;
 - b. Assist probationary faculty members to assess realistically the likelihood of gaining tenure.
 19. Make promotion decisions on clear criteria of excellence, including evidence of continuous superior performance and peer esteem, and not on seniority.
 20. Study academic and personnel issues related to Commonwealth Campus faculty members after administrative integration of Continuing Education and Commonwealth Campus system has been worked out.
 21. Integrate research personnel into mainstream of faculty life.
 22. Give compensation on the basis of merit.
 23. Develop strategies for keeping compensation competitive.
 24. Encourage professional development and vitality of faculty and staff members:
 - a. Promote intellectual risk-taking and vigorous exchange of ideas;
 - b. Provide fiscal resources and encouragement to take advantage of professional development opportunities, such as sabbatical leaves;
 - c. Develop such professional development programs as exchange programs, attendance at professional meetings, and experience in business and industry.
- To Enhance QUALITY of Students, Penn State must:**
25. Continue to admit only those students who are qualified academically.
 26. Recruit a student body reflective of Pennsylvania's rich, pluralistic cultural heritage.
 27. Direct recruitment efforts to improving the college participation rate of qualified students:
 - a. Increase Penn State's proportion of highly qualified high school graduate applicants from Pennsylvania;
 - b. Develop recruitment emphasis and incentives to increase the number of qualified out-of-state students;
 - c. Encourage attendance by academically-gifted students;
 - d. Make high school students with special talents aware of the opportunities at Penn State in their fields;
 - e. Use alumni in student recruitment, especially out-of-state students;
 - f. Improve recruitment and admissions of students from minority groups; maintain Philadelphia and Pittsburgh Community Centers;
 - g. Encourage qualified transfer students to complete their education at Penn State and facilitate their successful transfer;
 - h. Explore ways to improve the retention of students already enrolled.
 28. Recruit aggressively quality graduate students:
 - a. Strengthen the role of the Graduate School in assisting departments to recruit well-qualified graduate students, in coordinating data collection, and in preparing and disseminating information to prospective students;
 - b. Keep graduate assistantship and fellowship stipends competitive with comparable universities;
 - c. Enlarge graduate fellowship program to recruit distinguished graduate students;
 - d. Obtain business and industry support for graduate education in those fields leading to business or industrial employment.
- To Enhance QUALITY of Instructional Programs, Penn State must:**
30. Reassess the Bachelor's Degree Requirements (BDR):
 - a. Emphasize integrating the student's baccalaureate education;
 - b. Consider student flow; permit uncommitted students to explore new areas of interest;
 - c. Guard against course proliferation in the BDR.
 31. Devote a major effort to strengthening graduate education.
 32. Strengthen relationship between research and instruction at both graduate and undergraduate levels.
 33. Emphasize quality in all aspects of the teaching-learning process:
 - a. Give high priority at the department and campus levels to the evaluation and improvement of teaching;
 - b. Make available to faculty members and graduate assistants methods for identifying weaknesses and improving instructional techniques;
 - c. Improve overall quality of undergraduate instruction, identify programs where instruction may have fallen below standard and improve the level of teaching;
 - d. Augment televised and programmed courses with opportunities for individual sessions between instructors and students;
 - e. Improve the student-faculty ratio;
 - f. Encourage senior faculty members to teach lower-division courses;
 - g. Provide mix of large and small classes for students at every level; be alert to difficulties students encounter in large classes;
 - h. Screen all faculty members and graduate assistants to assure a sufficient command of English for effective classroom instruction;
 - i. Institute orientation and training programs for teaching assistants to assure they are knowledgeable in their fields and have a command of basic teaching techniques and procedures;
 - j. Whenever possible, provide instructors at Commonwealth Campuses with some variety in teaching assignments.
 34. Improve the quality of information provided to academic advisors to sustain advising as a key role of faculty members.
- To Enhance QUALITY of Research Programs, Penn State must:**
35. Take steps to preserve faculty time for research and advance study in light of changing instructional demands.
 36. Devise incentives to increase external support for research as a means of maintaining the University's research reputation:
 - a. Encourage and aid faculty members in developing research proposals;
 - b. Expand research initiation grants for ideas and proposal development;
 - c. Solicit aggressively research support from foundations and corporations;
 - d. Improve contact with federal and state agencies;
 - e. Improve cooperation between and among colleges and intercollege research centers and institutes;
 - f. Allocate institutional resources to renovate research facilities and replace deteriorating and outmoded research equipment.
 37. Obtain increased external funding for biomedical research.
 38. Review research fund allocation policies.
 39. Seek private funds for endowed chairs.
 40. Allocate funds for special efforts to initiate and stimulate interdisciplinary inquiry.
- To Enhance QUALITY of Student Life, Penn State must:**
41. Enhance the relationship between the University's academic programs and student life.
 42. Encourage creativity, intellectual growth and expression, and self-reliance in all students:
 - a. Encourage involvement by faculty and staff members in student life beyond the classroom, such as listening as advisors to student organizations and participating in residence hall programming;
 - b. Expand educational and cultural programs for minority group students to assure success; explore possibility of exchange programs with two predominantly Black institutions in Pennsylvania;
 - c. Insure that all academic programs are open to women and minority group members and facilitate their participation through counseling and contact among women and minority students, faculty members, and alumni;
 - d. Integrate nontraditional students (older students and veterans) into the University community;
 - e. Assess and adapt academic and nonacademic programs to meet the needs of international students, upgrade the quality of information provided, expand the Intensive English Communication Program, and increase interaction with "native" students and faculty members;
 - f. Be sensitive to special needs of graduate students and provide adequate information on housing, insurance, taxes, and thesis requirements.
 43. Assure quality in residential life:
 - a. Continue and extend educational programming in residence halls;
 - b. Identify and assist students with potentially debilitating problems;
 - c. Reassess availability of on-campus housing at University Park and consider replacing Nittany Halls.
 44. Enhance the total educational experience of off-campus residents:
 - a. Incorporate positive residential life elements into lives of off-campus students;
 - b. Provide more flexible scheduling of cultural and social programs for Commonwealth Campus commuting students.
 45. Evaluate existing and new student services.
- To achieve quality in a period of declining resources, Penn State must SELECT among programs by setting priorities and by allocating resources accordingly.**
- To Effect SELECTIVITY by Setting Priorities, Penn State must:**
46. Establish priorities among programs first at the department, campus, and college level.
 47. Use the five-year planning and budget process to establish University-wide priorities and to relate needs to resource allocation:
 - a. Use results of existing program and administrative reviews in establishing priorities;
 - b. Use Provost's Advisory Committee to recommend selected reviews as they are needed and to assist in establishing University-wide priorities;
 - c. Consider interdisciplinary programs in developing University-wide and departmental priorities.
 48. Base priorities for all programs and services on criteria of quality, need, and cost:
 - a. For academic programs, also consider the program's availability at other Pennsylvania institutions;
 - b. For consolidation and realignment of programs and units, also consider flexibility;
 - c. For support services, also consider duplication and efficiency and the need to guarantee a minimal level of support to provide the service.
- To Effect SELECTIVITY by Building on Strength, Penn State must:**
49. Enhance those programs already of highest quality, those programs having the potential to excel, and those programs unique to the Commonwealth.
 50. Augment historic strengths in education for the professions.
 51. Develop role of the basic disciplines.
 52. Identify research areas to strengthen.
 53. Enhance and promote the informal and formal continuing education programs.
 54. Emphasize advantages of each Penn State campus in the recruitment of students.
- To Effect SELECTIVITY by Examining Directions, Penn State must:**
55. Redirect graduate programs leading to academic careers in part toward nonacademic careers.
 56. Continue to evaluate the quality of all existing public services and allocate resources as necessary to accommodate new demands for services.
 57. Enhance the distinctive character of each Commonwealth Campus to meet local needs by working with the campus advisory board.
 58. Maintain Behrend College lower-division offerings and programs, redirect baccalaureate degree programs toward business and other career-oriented programs, and limit baccalaureate programs to those related to undergraduate emphasis.
 59. Reexamine Behrend College four-year mission in 1983.
 60. Reevaluate Penn State's affiliation with the University Center in Harrisburg.
 61. Improve Capitol Campus' linkage to the Commonwealth Campuses and the community colleges in the Harrisburg area.
 62. Develop joint programs between The
- Millon S. Hershey Medical Center and the Capitol Campus.
63. Develop new programs at Capitol Campus to serve the needs of the citizens of the state's capital and the needs of minority groups.
 64. Reassess the Radnor Center's organization, programs and leadership in 1982 and modify them as required.
 65. Examine health manpower needs, student demand, and institutional capability to develop opportunities for health-related educational programs.
- To Effect SELECTIVITY by Allocating Resources, Penn State must:**
66. Assure that resources are allocated according to program priorities based on criteria of quality, need, and cost.
 67. Reflect mission and program priorities in the academic reward system.
 68. Plan library acquisitions to meet priority program needs; identify needs that transcend individual programs.
- To enhance its capacity to be selectively excellent and to respond to new opportunities, Penn State must extend its ORGANIZATIONAL, PROGRAMMATIC, and resource FLEXIBILITY.**
- To Enhance FLEXIBILITY of Organization, Penn State must:**
69. Reassess relationships among administrative units and among academic programs within and between colleges; realign units and programs as appropriate.
 70. Integrate the Commonwealth Campus system and Continuing Education into single administrative unit.
 71. Provide sufficient lead time to allow adequate consultation on consolidation and realignment questions without delaying decisions unnecessarily; develop more explicit policies regarding program discontinuance.
 72. Create new organizational focus to signal the University's commitment to provide health-related programs.
 73. Consider establishing a central office for international programs.
 74. Provide each Commonwealth Campus the flexibility necessary to carry out its assigned mission and to serve local needs.
 75. Consider forming regional consortia of Commonwealth Campuses.
 76. Reassess Capitol Campus' variation in course credits.
 77. Reexamine academic support structures, including the term system — especially the summer term.
 78. Evaluate current information processing capabilities and plan a comprehensive system of data processing:
 - a. Insure adequate security to protect privacy;
 - b. Develop interactive computing capability;
 - c. Coordinate computing capabilities;
 - d. Apply advanced information processing technology in all academic and administrative areas.
- To Enhance FLEXIBILITY of Programs, Penn State must:**
79. Monitor enrollment trends closely in the '80s.
 80. Admit students to the campus of their first choice when space is available.
 81. Increase avenues of cooperation:
 - a. Explore possibility of providing programs through consortium arrangements with other Pennsylvania institutions;
 - b. Establish instructional consortia in areas of high student demand;
 - c. Experiment with ways to enable faculty members to participate in cooperative arrangements across geographic and disciplinary boundaries;
 - d. Increase cooperation between the faculties of the College of Medicine and at University Park, the Commonwealth Campuses, and Capitol Campus for medical research and to prepare health professionals;
 - e. Increase cooperation with professional associations and industry to provide continuing professional education;
 - f. Increase interaction among faculty involved in Cooperative Extension, resident instruction, and continuing education in the same geographic location and inform each of programs in the others.
 82. Encourage and reward creative initiatives in continuing education, cooperative extension, and other public services.
 83. Provide balance and perspective through current and additional interdisciplinary programs.
 84. Prevent artificial enrollment ceilings by

- shifting resources to areas of high student demand.
- 85. Provide for student election of courses in each degree program.
- 86. Expand practical experience programs where appropriate but integrate them with theory components of the program.

To Enhance FLEXIBILITY of Faculty and Staff, Penn State must:

- 87. Recruit high quality faculty and staff members and reward excellence:
 - a. Make faculty appointments with the potential of adding vitality to the graduate and research enterprise as well as undergraduate teaching.
 - b. Improve ability to appoint, nurture, and reward the highest quality performance of faculty and staff.
- 88. Encourage flexible appointments and contracts:
 - a. Increase opportunities for joint appointments; faculty exchange with other institutions; and short-term leaves of absence;
 - b. Provide fair treatment in assignment and compensation of nonstanding appointments;
 - c. Allocate resources to permit colleges to make temporary appointments to meet unexpected demands and new opportunities;
 - d. Review the proportion of nonstanding faculty positions; balance resource flexibility with program cohesiveness.
- 89. Identify areas for retaining tenured faculty members:
 - a. Make funds available for assisting in the relocation and retraining of tenured faculty whose programs have been reduced or phased out.
 - b. Investigate development of new interests, teaching in new fields, and undertaking nonfaculty roles in academe; evaluate in light of long-term University and individual interests.
- 90. Increase the percentage of faculty at University Park who are supported by externally-funded research.
- 91. Continue the regionalization of Cooperative Extension and locate regional and area extension offices at Commonwealth Campuses where practical.
- 92. Experiment with various options and incentives for early retirement.

To Enhance FLEXIBILITY of Resources, Penn State must:

- 93. Restore the real resources per full-time equivalent student and for research.
- 94. Maintain competitive salaries with other universities and with general market conditions.
- 95. Improve purchasing power of libraries' materials and departmental budgets.
- 96. Obtain additional resources:
 - a. Increase the Commonwealth's commitment to Penn State to 50 percent of the cost per student.
 - b. Reassess the University's overall funding program, including a reexamination of staffing, organization, and priorities;
 - c. Double private giving by 1985;
 - d. Use private monies for items which only private funding can provide, e.g., endowed chairs, merit scholarships, and enriching the campus environment;
 - e. Increase the level of undesignated gifts, whenever possible;
 - f. Seek local support at the Commonwealth Campuses to provide additional social, cultural, and educational programs;
 - g. Increase the students' proportionate share of the cost of education only when all other resources have been exhausted;
 - h. Maintain access at a reasonable cost to students while safeguarding quality;
 - i. Review financial aid policies and assure that eligible students apply for aid.
- 97. Develop contingency measures to support Cooperative Extension.
- 98. Study the feasibility of extending the fee-for-service approach to student services.
- 99. Provide efficiency incentives:
 - a. Review policies influencing budget centers;
 - b. Examine income-expenditure relationships for each academic unit as an analytic and planning tool.
- 100. Design capital projects to:
 - a. Emphasize modification and alterations of existing facilities;
 - b. Keep facilities and equipment in good operating condition;
 - c. Minimize maintenance and operating costs;

- d. Seek external (private, federal, and state) funding to modernize or alter facilities and to meet code modifications;
- e. Obtain private funds to build needed laboratory facilities at Capitol Campus.
- f. Minimize the use of loans for construction.

EPILOGUE

In this commentary on Penn State in the 1980s, we have talked about delivery systems, policy variable trade-offs, participatory governance, and programmatic flexibility, to mention a bit of the jargon that can obscure our reason to exist as an institution. It is important, in closing, to reiterate the true bases of our concern.

Our basic concern is with knowledge, its preservation, expansion, and transmission, not with the protection of a particular institution. Our accompanying concern is with the dignity and value of the individual human being. Society is a collection of individuals who deserve the opportunity to acquire knowledge and then to serve that society according to their abilities.

An educational "delivery system" means nothing if it is not distinguished by its devotion to logical thought. No Penn State faculty member, staff member, student, or graduate should have the privilege of participation in the life of the University unless he or she is committed to the process of logical reasoning in every aspect of teaching, learning, and research. That's what a delivery system is all about.

"Policy variable trade-offs" are meaningless concepts unless their true foundations are not in finance but in devotion to scholarship. Only the best is good enough for the true scholar. If he or she is served better by a "policy variable trade-off," so be it. But his or her understanding of what it means to cherish and seek knowledge is far more important than the processes of finance.

"Participatory governance" is a phrase which rolls off the tongue but lacks credence if it is not accompanied by a willingness to listen to and, indeed, to protect other points of view, other kinds of people, other convictions and persuasions. The Penn State student has the opportunity to live among people of many convictions. His and her enjoyment of ambiguity is a sign of his/her learning at its creative best.

At the least the Penn State student is expected to be competent in a field of knowledge of value to his/her fellow men and women. A high sense of educational quality lies beneath such vague terminology as "programmatic flexibility." Competency comes in many forms but there must be no compromise with professional and personal integrity. We do not seek to educate "engineers" per se, for example, but men and women of high competence and integrity in the professional field of engineering. We do not intend to prepare artists or teachers or people of business to enter their professions ill-equipped or ill-advised.

Finally, the true Penn State graduate should be marked, if we have our will, by a sense of the fitness of ideas, of customs, of practices; by an empathy with the aesthetic need and sense of men and women; by an understanding of the imperfections of people and of society and a drive to help overcome these imperfections. And, we hope, by an uplifting sense of humor which puts all of this in perspective and allows neither the individual nor the institution to take itself so seriously that either is crippled by the task before the work begins.

Beneath the rhetoric, then, is a concern for priorities and values. The University expects itself and its people continually to review and, if necessary, to reorder systems of values. This, in essence, is what we mean by selectivity, quality, and flexibility in the decade ahead. We must know where we stand, be prepared to defend vigorously that stand, and be proud that we want the best and are willing to change to guarantee it.

Penn State's tomorrow shall be better than today because we are determined that it shall be so. For the people of Pennsylvania, no other direction is worth the human and material investment.

APPENDIX

The Steering Committee

Edward D. Eddy, Co-chairperson — Provost of the University
 Stanley O. Benberry, Co-chairperson — Senior Vice President for Administration
 Randolph C. Albright — Chairman, Academic Assembly, USG, Student Representative
 Robert D. Arbuckle — Representative, Council of Commonwealth Campus Directors
 Director, New Kensington Campus
 James M. Beutler — Chairman, Council of Academic Deans: Dean, College of Agriculture
 Mark A. Bell — Chairman, Associated Student Activities Budget Committee, Student Representative
 John J. Cahir — Chairperson, Task Force on

Purposes, Programs, and Priorities;
 Associate Professor, Meteorology
 Carol A. Cartwright — Chairperson, Task Force on Faculty and Staff; Professor, Education
 Loren M. Furtado — Director, Office of Planning and Budget
 George J. McMurry — Chairman, University Faculty Senate; Professor, Electrical Engineering
 John W. Malone, Jr. — Chairperson, Task Force on Resources and Supporting Services; Professor and Head, Agricultural Economics and Rural Sociology
 Murray S. Martin — Past-chairman, Senate Committee on Planning and Development; Associate Dean, University Libraries
 Robert J. Scannell — Chairperson, Task Force on Students and Society; Dean, College of Health, Physical Education, and Recreation

The Final Reports of the Task Forces for the Plan for the '80s (April 1979) comprised important resources for the deliberations of the Steering Committee. In the preparation of the Plan by the Steering Committee, much of the thought presented by the Task Forces was incorporated, some of it was modified, and some rejected, and new directions were developed. The Steering Committee, on behalf of the University community, expresses its appreciation to members of the Task Forces as follows:

Task Force I

John J. Cahir, Chairperson (F)
 Robert A. Bernoff (A)
 Parris H. Chang (F)
 M. L. Christensen (F)
 Floyd B. Fischer (A)
 Helen Guthrie (F)
 James D. Hammond (F)
 Rose M. Kouri (S)
 *Thomas D. Larson (F)
 Satoshi Matsushima (F)
 Jane E. McCormick (A)
 Richard L. Morrill (A)
 Victor Oyler (S)
 Stuart Patton (F)
 Stanley P. Paulson (A)
 Roland J. Pellegrin (P)
 Fred Rapp (F)
 Gladys I. Ritchie (A)
 Peter B. Shaw (F)
 Kathryn Streletsky (S)
 Robert T. Tauber (F)
 Nancy M. Fischer (F)

Task Force III

Carol A. Cartwright, Chairperson (F)
 William W. Ashbury (A)
 Emory J. Brown (A)
 Roy C. Buck (F)
 Michael M. Coleman (F)
 Roland R. Daniele (F)
 Thomas E. Daubert (F)
 Robert L. Frankforter (F)
 A. Daniel Kidder (F)
 John A. Lieb (F)
 Jeanne M. Maher (S)
 Kathryn M. Moore (P)
 Margaret A. Neely (S)
 Diane Pepe (F)
 Charles J. Petredia (F)
 Michael A. Santulli (F)
 Lynda C. Schneider (S)
 Rosemary S. Schraer (A)
 Leon J. Stout (F)
 Dianne Taylor (S)
 Theodore R. Vallance (A)
 Vickie L. Ziegler (F)

(F)—Faculty Member
 (A)—Administrative Officer
 (S)—Student

Task Force II

Robert J. Scannell, Chairperson (A)
 John E. Ayers (F)
 John F. Struel (A)
 Rupert F. Chisholm, Jr. (F)
 Richard C. Cunningham (A)
 Darlene M. Dunay (S)
 Edward V. Ellis (A)
 Arthur Goldschmidt, Jr. (P)
 Warren R. Haffner (A)
 Lisa B. Hartman (S)
 Linda W. Itzoe (F)
 Beverly J. Lindsay (F)
 Karen P. Manz (S)
 Molly New (S)
 Torrence D. Persons (F)
 C. Shannon Stokes (F)
 John D. Vairo (A)
 Dawn A. Voytilla (S)
 Douglas E. Wayner (S)

Task Force IV

John W. Malone, Jr., Chairperson (F)
 Elizabeth P. Anderson (P)
 Janet Atwood (F)
 James B. Bartoo (A)
 Mark A. Bell (S)
 Steve A. Garban (A)
 Richard E. Grubb (A)
 Teh-Wei Hu (F)
 Stephen F. Jablonsky (P)
 Marjorie M. Knoll (P)
 Robert D. Lee, Jr. (P)
 Harry L. Lelider (S)
 George R. Lovette (A)
 Arthur C. Miller (F)
 Lawrence J. Piliore (F)
 Rodrick A. Prior (S)
 Lee W. Saperstein (P)
 Vernon L. Shockey (A)
 Barbara J. Smith (A)
 William A. Weidner (P)

*Served as chairperson of Task Force I until January 1979, at which time he was appointed Pennsylvania's Secretary of Transportation.

Penn State Intercom

News in Brief

Calendar data due Nov. 9

Material for inclusion in the Winter Term INTERCOM Calendar should be sent by Friday, Nov. 9, to Lee Morrill, Room 312 Old Main, 865-2501.

Brazilian writer to visit

The Department of Spanish, Italian and Portuguese, in cooperation with Latin American Studies and The Institute for the Arts and Humanistic Studies, will host a day-long visit with Brazilian writer Julio Cesar Monteiro Martins on Tuesday, Nov. 6.

Senhor Martins, who is currently involved with the International Writing Program at the University of Iowa, will present two public lectures. His first, which will be delivered at the Comparative Literature luncheon at the State College Hotel at 1 p.m., is "Literature and Power in Brazil." His evening lecture, to be held at 8 p.m. in Room 102 Chambers, is entitled, "The Literature of Resistance in Brazil."

Occupational Privilege Tax to be withheld

The University will this year again withhold the Occupational Privilege Tax of \$10 from all University Park employees who are liable for the tax.

Accordingly, for faculty and staff members who are paid on a monthly basis, the tax of \$10 will be withheld from paychecks dated Nov. 30, 1979. For all other employees (technical service, graduate assistants and wage), the deduction will be made from paychecks dated Nov. 16, 1979.

Any employee who wishes to appeal his/her liability for this tax, should apply



The height of nonchalance is demonstrated by three Physical Plant employees sizing up a repair job atop Old Main.

directly to Michael S. Groff, Tax Administrator, 118 South Fraser Street, State College, PA 16801.

Department Heads are asked to make certain that part-time wage employees are aware of this tax.

Applications sought for Truman Scholarships

Applications are now being accepted for the 1980 National Harry S. Truman Scholarship Competition.

To be eligible, a University student must be enrolled in a baccalaureate program as a junior in the fall of 1980. Candidates must also be U.S. citizens and have a 3.0 grade-point average or better and rank in the top one-fourth of their class.

Only students who have selected an undergraduate major that will permit

admission to a graduate program leading to a career in government service will be considered for the competition.

To apply, a student must submit a letter of application, an up-to-date transcript, three letters of recommendation from University instructors and a paragraph outlining career plans. They should be submitted to Dr. John D. Martz, chairman of the scholarship committee, Room 107 Burrows Building before 5 p.m., Friday, Nov. 23.

Gulack to reappear in URTC's "You Can't Take It With You"

If Equity Actor Max Gulack gets the funny feeling that he's "been here before" when he steps onstage as Paul in University Resident Theatre Company's upcoming production of *You Can't Take It With You*, he should not be surprised. He has been here before, and in the same role.

Mr. Gulack's first appearance as Paul was in 1969 for the Festival Theatre. In fact, he has appeared at Penn State no less than six times. Some of his major roles here include parts in *Rhinoceros*, *Tobacco Road*, *Waiting for Godot*, and most recently as Oscar Wolfe in the 1977 Festival Theatre production of *The Royal Family*.

His credits away from Penn State include Joseph Papp's *Three Penny Opera*, appearances at numerous regional theatres, stage work in Paris, and *The Fantasticks* at the Playhouse in the Park.

To make reservations for URTC's production of *You Can't Take It With You* call the Playhouse Box Office at 865-1884 10 a.m. to 6 p.m. Mondays through Saturdays. The play will run Nov. 29-Dec. 15.

Black genealogy is topic

Charles L. Blockson, human relations adviser to the Norristown School District, will give a public talk on the rising interest in black genealogy and describe the methods used to trace the roots of American blacks tonight (Nov. 1) at 7:30 p.m. in Pattee's Rare Books Room.

Mr. Blockson is a 1956 graduate of Penn



Max Gulack

A Statement

Totally erroneous reporting by the Centre Daily Times of a meeting President Oswald attended with Secretary of Education Scanlon on Oct. 19 has caused serious misunderstandings with members of the State General Assembly.

The discussion centered on the University's relations with the Department of Education, and for the need of that Department to serve as an advocate for higher education. Contrary to what was reported, Dr. Oswald was not critical of members of the General Assembly. In fact, the opposite was true. The limited discussion about them was most complimentary.

Some legislators have voiced their concern about the false reporting. Therefore, Dr. Oswald wrote a letter to Fred Ciletti, Penn State's legislative affairs person in Harrisburg, explaining what was really said during the meeting with Secretary Scanlon. He was asked to use the letter in response to legislators who might inquire about the erroneous story. Because of the misunderstanding the reporting has created, INTERCOM is running the text of President Oswald's explanation to Mr. Ciletti.

"It is unfortunate that some of the comments I made at last Friday's meeting with Secretary Scanlon were erroneously reported in the local press. Further, it is unfortunate that the press report distorted the entire atmosphere of the meeting with the headline 'Scanlon, University Officials Spar' and statements like 'the state legislature took its lumps, for the most part in the last hour or so of the informal get together.' The Secretary wanted to discuss informally our views of the role of the Department of Education and the entire discussion was candid and constructive. The limited discussion involving joint relations with the legislature was positive and complimentary to members of the legislature.

"The Centre Daily Times ran a partial clarification of my remarks in its issue of Tuesday, October 23, but I do want you to know personally what I actually did say during the discussion. I did not say, as the press reported, that Penn State has never had an advocate in the legislature. In response to a question from Secretary Scanlon, I noted that no representative from the Pennsylvania Department of Education has ever appeared at our appropriations hearings as an advocate of Penn State or higher education. PDE, I said, has a responsibility to serve as an advocate of higher education, as it does for elementary and secondary education.

"Neither did I say, as the Centre Daily Times reported, that 'I have never heard one good thing about Penn State from a single legislator, except one who lost two county agriculture seats'. This, indeed, isn't true. We have a great many extremely good friends in both the House and Senate who are faithful beyond measure in their support of the University, not only for appropriations but for other important legislation as well. Among our strongest advocates, of course, are Representative Gregg Cunningham and Senator Doyle Corman from our own district. These legislators, among many others, have an excellent record for supporting Penn State and other institutions of higher learning.

"I regret that my views were distorted in the press, Fred. Please convey to any

The Challenge of the '80s

Editor's Note: This article is the sixth in a series in which the academic deans reflect on what lies ahead for their colleges in the '80s.

Liberal arts colleges — at Penn State and across the country — are in a period of transition, according to Dean Stanley F. Paulson.

"We are taking part in a great national debate over the value of the liberal arts for the millions of students involved in higher education," Dean Paulson says, adding:

"I welcome the debate. It's a good thing for any university area of study to be subject to scrutiny to see whether it is accomplishing what it should."

The debate is critical in a decade which holds the prospect of declining enrollments in the liberal arts and a shift by students to more specialized curricula; although, as Dean Paulson points out, Penn State is attracting a larger share of liberal arts undergraduates than many comparable institutions. Nationwide, for example, between 1971 and 1976, the number of foreign language majors declined by 22 percent. Penn State saw only an 8 percent decline and has had similar success in counteracting a national drop in the number of social science majors.

Last fall, the College had 4,665 majors, almost the same number as it registered in 1973.

"Our strength resides in our faculty," Dean Paulson says. "They have been extremely progressive in relating scholarly

work in their disciplines to student interests and contemporary social needs."

Dean Paulson points to the work of faculty who study not only the psychological and sociological bases of behavior, but also work with the problems of insomnia or the changing mores of the Pennsylvania Dutch, to professors who study the civilization that was in ancient

(Continued on page 4)



Dean Paulson

(Continued on page 4)

(Continued on page 4)

Penn Staters

President Oswald has been appointed to DePauw University's newly-created Board of Visitors. The Board, according to DePauw President Richard F. Rosser, "is composed of individuals of exceptional attainments in business, the humanities, and the professions." It will be advisory to him and the DePauw Board of Trustees. Dr. Oswald graduated from DePauw in 1939 with Phi Beta Kappa honors.

Carl W. Sherman, associate professor of petroleum and natural gas engineering, was recently named by Gov. Richard Thornburgh to serve as Pennsylvania's representative on the regulatory committee of the Interstate Oil Compact Commission.

Dr. C. W. Burnham, head of the Department of Geosciences and professor of geochemistry, was chairman and organizer of a recent Gordon Research Conference on "Equilibrium and Kinetic Properties of Silicate Melts."

Adam J. Sorkin assistant professor of English at the Delaware County Campus, has been named a Lilly Fellow for 1979-80. He has been invited to participate in a colloquium on literature and the visual arts, "The American Landscape," at the University of Pennsylvania later this month. The colloquium is sponsored by the Lilly-Pennsylvania Program of the Lilly Endowment of Indiana.

An exhibition of photographs by Gerald Lang, associate professor of art, and Kenneth Graves, instructor in photography, is currently on display at The Focus Gallery in San Francisco.

Dr. Elliot Vesell, professor and chairman of pharmacology at Hershey, has received one of ten William N. Cressy Visiting Professorships of Clinical Pharmacology awarded for the 1979-80 academic year. He will spend a week teaching medical students, faculty, house staff and others at the University of Connecticut School of Medicine and will deliver a William N. Cressy Memorial Lecture on a subject pertinent to clinical pharmacology. The lectureships are sponsored by the Burroughs Wellcome Fund.

Dr. Charles O. Crawford, professor of rural sociology, has been elected by the membership of the Pennsylvania Public Health Association as that Association's delegate to the American Public Health Association. In this capacity, he will serve on the Governing Council of the APHA, an association with a membership of over 30,000 persons.

Dr. Ben W. Twight, associate professor of forest resources, delivered a keynote address at the National Convention of the Society of American Foresters held last month in Boston. His topic was "Public Participation and Involvement."

Dr. James E. Van Horn, Extension family sociologist and associate professor of rural sociology, has been named chairman of the Statewide planning group for the White House Conferences on Families. The group is charged with organizing Statewide hearings and community forums in preparation for the national conferences which will be held in June and July of 1980.

Dr. Gary P. Johnson, associate professor of education and faculty associate in the Center of the Study of Higher Education, has been named to a two-year term on the editorial advisory board of the Journal of Education Finance.

Dr. Jerry C. Olson, associate professor of marketing, recently returned from Switzerland where he presented an invited paper at an international conference on "The Role of Food Components in Food Acceptance." He spoke on "The Importance of Cognitive Processes and Existing Knowledge Structures for Understanding Food Acceptance."

Dr. William Eck, associate professor of health education, spoke at a plenary session of the annual convention of the American School Health Association, held recently in San Diego. Dr. Eck reviewed the status of alcohol education programs in American schools and universities.

Retirements



Adaline M. Stine, a janitorial worker in Old Main, retired from the University on Oct. 1 with 16 years of service.

Ms. Stine had worked as a janitress during her entire tenure at Penn State. She was first assigned to Chambers Building, then to the Agricultural Education Cottage, and finally to Old Main, where she remained for 10 years.

She and her husband, Elwood, will continue to reside on their dairy farm near Warriors Mark, though they plan to spend winters in Florida.

Charles F. Gross, for 24 years a soil scientist at the U.S. Pasture Research Laboratory on campus, has retired. He also served as adjunct instructor of soil science in the University's Department of Agronomy.

LeRoy H. Griffin, a janitorial worker in the Office of Physical Plant since Nov. 11, 1968, will retire Nov. 1.

Gladys M. Foltz, a residence hall worker in Housing and Food Services since Sept. 30, 1969, will retire Nov. 17.

Max DeWitt, a general maintenance worker at the Allentown Campus since Sept. 14, 1970, will retire Dec. 1.

25-year chair



Sandra Blatt, a Centralized Copy Center operator for Printing Services, has received her 25-year chair from the University.

She has been in her present position since 1975, working in Steidle Building. She began employment with the University on April 1, 1954, as a binding machine operator with Printing Services. After a short tenure as a press operator, she became a plate maker for Printing Service's darkroom, a position she held for nearly 20 years.

A native of Tyronne, she currently resides in Boalsburg.

Thanks to you it works . .

Editor's note: The following United Way dialogue has been prepared by the Office of Campus Relations.

Q. How are United Way agencies chosen?

A. By your neighbors who work as volunteers, reviewing budgets, service costs and other factors of agencies applying. Agencies must show they provide a needed community service. "Citizen review" ensures accountability and sees that many programs and charities receive community support.

Q. What are the advantages of a united campaign?

A. One joint campaign, in place of several competing drives, lowers administrative costs of charities and agencies. A united campaign ensures fair distribution of money donated, instead of the biggest getting the most. Some agencies are too small to conduct fund raising drives but can be helped by a united effort.

Q. How efficient is United Way fund raising?

A. Very. Through payroll deductions and many volunteer workers, the United Way spends, on the average, less than 10 percent of every dollar received on fund raising and administration. Your local United Way can supply you with actual cost figures.

Q. If the United Way represents many charities, why are other charitable campaigns still conducted in the community?

A. The United Way is a voluntary citizen movement. It can't force any agency to participate, although all that qualify are welcome. Although United Way seeks to cut the number of competing fund drives, it doesn't try to eliminate appeals by non-member charities. Only the force of public opinion can influence an agency's participation in the annual United Way campaign.

Q. Can I contribute to a United Way in another locality?

A. Yes. To contribute to United Way agencies in the state through payroll deduction, refer to the code sheet listing agencies alphabetically by city. Place code number in appropriate box. To make a direct contribution to another United Way, complete the direct contribution card noting the destination. Make check payable to the designated United Way. Send payment and card to your LOCAL United Way, which will record your name as a contributor from your campus and forward your donation.

Q. Can I designate my gift to one or more specific agencies while excluding others?

A. Yes. Please note your choice on the appropriate card.

Q. Who pays for United Way functions and materials?

A. Most functions are "dutch treat" but occasionally public-spirited firms or individuals will sponsor an event, over and above their regular donations. The United Way NFL football schedule, distributed to some Penn State employees, is an example. Materials produced are part of the administration cost or considered partial donations by companies.

Q. My spouse contributes to United Way at his/her place of work. Since we consider this a joint contribution, why can't my name be removed from Penn State's list?

A. Each Penn State employee receives United Way contribution information annually. Computer records do not indicate, however, if another family member is employed by the University. So it's up to an individual to indicate that they wish his/her name removed from the United Way contract list. To remove your name from this list, complete the payroll deduction card and indicate by writing a note on the card or by placing a large "X" on it that you wish your name removed.

Obituary

Philip A. Mark, a member of Penn State's staff from 1932 to 1968, died Oct. 24 at the age of 73. Mr. Mark received his teaching certificate from Penn State in 1923 and taught elementary school before joining the staff of Campus Patrol. He served as captain of that unit from 1943 to 1959 and then as a traffic violation officer until his retirement.

Promotions

Faculty

Deborah F. Hunter to assistant professor of speech communication at the Delaware County Campus.

Staff Exempt

Robert P. Murphy to business manager at Ongatz.

Steven F. Williams to visuals/photographic editor in Agriculture.

Staff Non-Exempt

Karen L. Gottschalk to administrative aide, Acoustics in ARL.

Clerical

Vickie L. Dowhower to environmental health worker/group leader at Hershey.

Christine A. Griebel to secretary B in Liberal Arts.

HiKyung Hahn Soo Hoo to catalog clerk in University Libraries.

Mary Lou Houck to secretary B in Human Development.

Donna E. Thompson to secretary B in Intercollegiate Research Programs.

Georgiann Wasson to coding clerk in Controller's Office.

Peggy Ann Wert to receptionist-typist in Business Services.

Technical Service

Joseph E. Gilbert to water tunnel model mechanic in ARL.

John T. Shirk to storeroom assistant in Housing & Food Services.

INTERCOM is an internal communications medium published weekly during the four terms of the class schedule for the faculty and staff of The Pennsylvania State University.

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USPS 351-170

University Park Calendar

Nov. 1-11

Special Events

Thursday, Nov. 1

College of Science, Chemeda Lecture, 4 p.m., Room 333 Whitmore. Mark Kac, Rockefeller Univ., on "Chance and Randomness in Mathematics and Science: Probabilistic Aspects of Some Problems in Math and Mathematical Physics (II)." French Dept., Antoine de Saint Exupery, *Le Petit Prince*, performed by Compagnie Bernard Uzan, 7:30 p.m., Schwab.

CSA, Skiers' Conditioning Workshop, 7:30 p.m., Room 102 Kern.

Religious Affairs, 10 part film, "How Should We Then Live?" 7:30 p.m., Memorial Lounge, Eisenhower Chapel.

Friday, Nov. 2

Sports: JV football, vs. Nassau Community College, 2 p.m.; soccer, vs. Temple, 7:15 p.m.

Geography Dept. coffee and lecture, 4:45 p.m., Room 319 Walker. Rodney Erickson, geography, on "The Changing Location of Jobs and the Death and Life of Great American Cities."

UnCommon Theatre, preview, *Piccadilly Silly*, 8 p.m., Room 112 Kern.

Artists Series, Music from Marlboro, 8:30 p.m., Schwab.

Saturday, Nov. 3

Sports: football, vs. Miami (Fla.), 1:30 p.m. UnCommon Dinner/Theatre, 6:30 p.m., Room 102 Kern; *Piccadilly Silly*, 8 p.m., Room 112 Kern.

France Cinema, Wim Wenders, *The American Friend*, 7 and 9 p.m., Room 122 Music Bldg. Shakespeare film, WPSX-TV, BBC's *Julius Caesar*, 9 p.m., Room 123 Chambers.

Sunday, Nov. 4

University Chapel Service, 11 a.m., Eisenhower Chapel. Dr. George Lucas, Ashland, Va., speaker.

Shaver's Creek Nature Center, Energy Saving Workshop, 1-4 p.m., Stone Valley.

Dance Concert, Orchestra Dance Co., 1:30 and 4 p.m., White Building Dance Theatre.

UnCommon Dinner/Theatre, 6:30 p.m., Room 102 Kern; *Piccadilly Silly*, 8 p.m., Room 112 Kern.

Monday, Nov. 5

France-Cinema, *The American Friend*, 7 and 9 p.m., Room 112 Kern.

Interdisciplinary Symposium on Value Lecture, 7:30 p.m., Room 101 Kern. Carl Hausman, philosophy, on "Creativity: The Evolution of Value."

Mieja Ahn, piano, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, Nov. 6

Women's Forum, noon, Walnut Bldg. Elizabeth Meier Tilton, GNAS, on "Barriers to Women Working in Europe."

Comp. Lit. Luncheon, 12:15; talk, 1 p.m., Hotel State College. Julio Cesar Monteiro Martins, Brazilian writer and participant in the International Writing Program, Univ. of Iowa, on "Literature and Power in Brazil."

Comp. Lit. Film Series, *Ray, World of Apu*, 7 and 9 p.m., Room 112 Kern.

IAHS/Latin American Studies/Spanish, Italian and Portuguese Lecture, 8 p.m., Room 102 Chambers. Julio Cesar Monteiro Martins on "The Literature of Resistance in Brazil."

Artists Series Film, *Women in Love*, 8 p.m., Schwab.

Wednesday, Nov. 7

Shakespeare Film, *Scotfield/Brook, King Lear*, 6:30 p.m., Room 112 Chambers. Free.

Robeson Cultural Center Lecture, Dr. LHM Reese, Capital U. Without Walls, Dayton, Ohio, "Black Literature - Black Destiny: The Relationship Between Negritude and Neo-African Literatures," 7:30 p.m., Robeson Assembly Room.

Robert Trehy, baritone, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, Nov. 8

Commons Videotape, "TV Quarterbacks," noon, Scholby.

STS/Two Cultures Dialogue on "Technology Assessment and Risk Analysis," luncheon; presentation and discussion, 12:20 p.m., Room 101 Kern. Mortimer Schultz, nuclear engineering, on "Coping with the 'Zero Risk' Attitude."

Properties of Rod-Like Polymers," 11:10 a.m., Room 333 Whitmore.

Organic/Inorganic Chemistry, Cheryl Ham, grad student, on "The Organic Chemistry of Pyrethrin Insecticides," 12:45 p.m., Room 333 Whitmore.

Air Pollution Control, Kenneth T. Knapp, particulate emission unit, EPA, Research Triangle Park, N.C., on "Methods for Measuring Inhalable Particulate Matter," 2:20 p.m., Room 140 Fenske.

Geosciences, Scott Bair, geosciences, on "Hydrogeologic Ramifications of Open-Pit Anthracite Mining," 3:45 p.m., Room 112 Walker.

Biology, Carl B. Wolfe, Mont Alto Campus, on "Systematics in the Higher Basidiomycetes (Boletaceae)," 4 p.m., Room 8 Mueller.

Engineering Science and Mechanics, Gerson Rosenberg, Hershey Medical Center, on "Progress in Left Heart Assist Devices and the Total Artificial Heart," 4 p.m., Room 232 Hammond.

American Society for Metals, Carol Girrell, Proceedyne Corp., on "Nitrogen Atmospheres for Heat Treating in Fluid Bed Furnaces," 7:30 p.m., Room 301 Steidle.

Organic/Inorganic Chemistry, Arthur G. Schultz, RPI, on "Progress in Alkaloid Total Synthesis," 8 p.m., Room 333 Whitmore.

Wednesday, Nov. 7

Mineral Processing, R.D. Kulkarni, Union Carbide Corp., on "Control of Foams," 11:10 a.m., Room 301 Steidle.

Philosophy of Sport, John Lucas, physical education, on "Cooperative Competition - The Athletic Golden Mean (a discussion and sports quiz)," noon, Room 104 White.

Critical Review (I)," 2 p.m., Room 62 Willard (now listing).

Friday, Nov. 2

Analytical Chemistry, Albert Robbat, grad student, on "Electroanalytical Determination of Selected Sulfur Heterocycles Found in Coal Liquefaction Processes," 11:10 a.m., Room 333 Whitmore.

Mathematics, Gunter Harder, Bonn and Yale Univs., on "Arithmetic Properties of Eisenstein Cohomology," 4 p.m., Room 104 McAllister.

Statistics, D. Basu, Florida State Univ., on "Randomization Analyses of Data: A Critical Review (II)," 4 p.m., Room 62 Willard.

Monday, Nov. 5

Genetics, Richard Mettus, grad student, on "Behavioral Genetics in *Drosophila*," 3:55 p.m., Room 111 Tyson.

Plant Pathology, Matthew Royer, grad student, on "Can Freezing Tolerance Be Accurately Assessed by Current Methods?" 3:55 p.m., Room 213 Buckhout.

Philosophy, Robert Hahn, Brandeis Univ., on "Why Aristotle Was Not an 'Aristotelian' and Plato Was Not a 'Platonist,'" 4 p.m., Room 101 Kern.

Tuesday, Nov. 6

Chemistry and Properties of Macromolecules, G.C. Berry, Carnegie-Mellon Institute on "Thermodynamic and Rheological

Statistics, D. Basu, Florida State Univ., on "Randomization Analyses of Data: A

University Chapel Service, 11 a.m., Eisenhower Chapel. The Reverend James M. O.S.B., PSU Catholic Center, speaker.

Sunday, Nov. 11

University Chapel Service, 11 a.m., Eisenhower Chapel. The Reverend James M. O.S.B., PSU Catholic Center, speaker.

Seminars

Thursday, Nov. 1

Statistics, D. Basu, Florida State Univ., on "Randomization Analyses of Data: A

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Music from Marlboro Ensemble members (left to right) are Laurie Smukler, Ira Weller, Cecile Licad, Janet Horvath and Joseph Genualdi.

Music from Marlboro comes to PSU Nov. 2

A "Music from Marlboro" concert, featuring the Marlboro Festival Ensemble, will be presented at 8:30 p.m. Friday, Nov. 2, in Schwab Auditorium.

The program will consist of Copland's Quartet for Piano and Strings, Haydn's Quartet A Major op. 9, no. 6, and Dvorak's Quintet in A Major op. 81.

Music from Marlboro concerts are the winter-time extensions of the Marlboro Music Festival, when leading musicians assemble for two months each summer under the artistic direction of Rudolf Serkin.

Members of the ensemble are Cecile Licad, pianist, who made her debut with

the New York Philharmonic in May; Joseph Genualdi, violinist, concertmaster of the touring company of the New York City Opera; Laurie Smukler, violinist, a student at Juilliard; Ira Weller, violinist, a Juilliard M.F.A. graduate and concertmaster of both the Village Light Opera Group and the New York Pro Arte Chamber Orchestra; and Janet Horvath, cellist, winner of four Canada Council Government awards.

Tickets are on sale at Eisenhower Auditorium box office until 4 p.m. tomorrow and at Schwab Auditorium beginning at 7 p.m. Friday.

Friday, Nov. 2

Analytical Chemistry, Albert Robbat, grad student, on "Electroanalytical Determination of Selected Sulfur Heterocycles Found in Coal Liquefaction Processes," 11:10 a.m., Room 333 Whitmore.

Mathematics, Gunter Harder, Bonn and Yale Univs., on "Arithmetic Properties of Eisenstein Cohomology," 4 p.m., Room 104 McAllister.

Statistics, D. Basu, Florida State Univ., on "Randomization Analyses of Data: A Critical Review (II)," 4 p.m., Room 62 Willard.

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Sunday, Nov. 11

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Properties of Rod-Like Polymers," 11:10 a.m., Room 333 Whitmore.

Organic/Inorganic Chemistry, Cheryl Ham, grad student, on "The Organic Chemistry of Pyrethrin Insecticides," 12:45 p.m., Room 333 Whitmore.

Air Pollution Control, Kenneth T. Knapp, particulate emission unit, EPA, Research Triangle Park, N.C., on "Methods for Measuring Inhalable Particulate Matter," 2:20 p.m., Room 140 Fenske.

Geosciences, Scott Bair, geosciences, on "Hydrogeologic Ramifications of Open-Pit Anthracite Mining," 3:45 p.m., Room 112 Walker.

Biology, Carl B. Wolfe, Mont Alto Campus, on "Systematics in the Higher Basidiomycetes (Boletaceae)," 4 p.m., Room 8 Mueller.

Engineering Science and Mechanics, Gerson Rosenberg, Hershey Medical Center, on "Progress in Left Heart Assist Devices and the Total Artificial Heart," 4 p.m., Room 232 Hammond.

American Society for Metals, Carol Girrell, Proceedyne Corp., on "Nitrogen Atmospheres for Heat Treating in Fluid Bed Furnaces," 7:30 p.m., Room 301 Steidle.

Organic/Inorganic Chemistry, Arthur G. Schultz, RPI, on "Progress in Alkaloid Total Synthesis," 8 p.m., Room 333 Whitmore.

Wednesday, Nov. 7

Mineral Processing, R.D. Kulkarni, Union Carbide Corp., on "Control of Foams," 11:10 a.m., Room 301 Steidle.

Philosophy of Sport, John Lucas, physical education, on "Cooperative Competition - The Athletic Golden Mean (a discussion and sports quiz)," noon, Room 104 White.

Thursday, Nov. 8

Ceramic Science, Charles A. Sorrell, Univ. of Missouri-Rolla, on "Representation, Quadtrees for Crystal Structures," 11 a.m., Room 301 Steidle.

Chemistry, Theodore Kuwana, Ohio State Univ., on "Chemically Modified Electrodes and Electroanalysis," 12:45 p.m., Room 333 Whitmore.

Physics, Joseph L. Birman, CUNY, on "Recent Developments in Non-Local Optics," 3:50 p.m., Room 445 Davey.

Engineering Science and Mathematics, Amal K. Ghosh, Exxon Research and Engineering, on "Polycrystalline Silicon Solar Cells," 4 p.m., Room 152 Hammond.

Fuel Science, Pierre Magne, University of Nancy, on "Oxygen Functional Groups on Carbons," 4 p.m., Room 301 Steidle.

Mathematics, Trevor Evans, Emory Univ., on "Universal Algebra and Combinatorial Analysis," 4 p.m., Room 102 McAllister.

Earth and Mineral Sciences, Carl Sherman, petroleum and natural gas engineering, on "Oil and Gas - Ripoff or Bargain?" 7:30 p.m., Room 112 Walker.

Friday, Nov. 9

Analytical Chemistry, Steven Holland on "Angle-Resolved Secondary Ion Emission from Clean and Adsorbate-Covered Metal Surfaces," 11:10 a.m., Room 333 Whitmore.

Philosophy, Mitchell Miller, Vassar, on "Plato's *Parmenides*: A Socratic Reading," 4 p.m., Room 101 Kern.

Exhibits

Chambers Gallery: Graduate and Undergraduate Students' Drawings.

HUB Galleries: Dick Brown, photographs. The Gallery. Craft Exhibit from the HUB Craft Center, Art Alley.

Kern Commons Galleries: Roy Fender, "The Great American Burger," ceramics, and School of Visual Arts students, "Glass Works from Penn State," both through Nov. 3; BFA/MFA candidates, prints and papermaking; United Nations Assoc. "Year of the Child" exhibit; Mitchell Weiss, ceramics, opens Nov. 3.

Museum of Art: European works and American paintings, drawings and prints from the permanent collection, through Nov. 11. French drawings from European collections (the former Armand Gobiet Collection), opens Nov. 11.

Pattee Library: traveling exhibit celebrating the 100th anniversary of the U.S. Geological Survey Department, East Corridor Gallery.

Visual Arts Bldg. Zoller Gallery: Siskind Photographic Show, through Nov. 4. Betty Parsons, Clinton Hill exhibit

News in brief

(Continued from page 1)

State and former Nittany Lion football player. His appearance will be at a meeting of the Central Pennsylvania Genealogical Society and is co-sponsored by the Libraries.

Nobel laureate to give Althouse Memorial Lecture

Nobel laureate Dr. Daniel Nathans will deliver the sixth annual Paul M. Althouse Memorial Lecture at The Milton S. Hershby Medical Center today (Nov. 1). His topic will be "A Small Tumour Virus and the New Genetics."

In 1978, Dr. Nathans shared the Nobel Prize in Physiology or Medicine with a Swiss and another American microbiologist for research that isolated and studied the roles of some genes. He is director of the department of microbiology at Johns Hopkins University School of Medicine.

The lectureship in which he will participate was established at Hershey in February 1974 in honor of Dr. Paul M. Althouse, provost of Penn State at its death in 1972 and previously a professor of biochemistry, director of general education and vice president for academic affairs.

Blue Bendorama slated

The Marching Blue Band will be featured in the second annual Blue Bendorama at 8 p.m. Friday, Nov. 2, in Eisenhower Auditorium. Also performing will be the Concert Blue Band and the Jazz Band.

The majorettes, flag-bearers and feature twirlers — Touch of Blue, Blue Band Silks, Blue Sapphire Lori Bowers and twirler

Kathy Harris — will be part of the Blue Band's presentation. Music by Richard Rodgers, Chuck Mangione and John Philip Sousa will be performed, and the Blue Band will also include "You Don't Bring Me Flowers," "March Grandioso" and "Mame" in its program.

The Concert Band will play arrangements of two Penn State songs, "American Overture" and "West Side Story Prologue." Larry Fisher will direct the Jazz Band in "Tenor," "Leap Frog," "Julian" and "Give It One."

Black literature talk rescheduled for Nov. 7

A lecture to be given by Dr. LaMar Reese, assistant coordinator and core faculty adviser at Capital University Without Walls in Dayton, Ohio, has been rescheduled for 7:30 p.m. Wednesday, Nov. 7, in the University's Paul Robeson Cultural Center Assembly Room.

His lecture, "Black Literature — Black Destiny: The Relationship Between Negritude and Neo-African Literature," was postponed from Oct. 24 due to Dr. Reese's illness.

Dr. Reese received his bachelor of arts in French and business education at Central State University, his master of arts in French and Francophone African literature at Union Graduate School in Cincinnati. In addition to his duties at Capital, he currently is a French professor at Central State University-West, also in Dayton.

Early registration: Nov. 12-16

Early registration for the University's Winter Term 1980 will be held from 8:30 a.m. to 4:30 p.m., Nov. 12 through 16, in Room 1215 Shields Building.

Any degree student who wishes to accept the schedule assigned as a result of

historians, geologists, physicists and engineers.

"Alertness to these kinds of opportunities," Dean Paulson says, "is what makes a true university — a community of scholars brought together by common cultural concerns. It also illustrates the extent to which our College is woven into the fabric of the University. Our relationships extend from the cooperative programs we have developed with Engineering, Earth and Mineral Sciences and Business Administration to those in which students combine breadth and concentration in liberal arts studies with an introduction to a specialized professional area. A good illustration of the latter is our baccalaureate degree program in French and Business."

"These working relationships with the rest of the University will help sustain us as we adapt to what higher education requires in the '80s."

Liberal Arts has had — and Dean Paulson expects it to continue to have — a heavy responsibility for courses which serve students from all colleges. Last year, over 94,000 Penn State students took humanities and social science courses. The College's role was recognized and will be reinforced during the next decade by the University Faculty Senate's decision to require six additional arts and/or humanities credits as part of the revised baccalaureate degree requirements (BDR 11).

"We cannot serve these students well, however," Dean Paulson says, "unless our scholarly work is of high quality and we continue to be alert to new areas of knowledge relating to our own majors and graduate programs. We must stress research and development on the frontiers of our disciplines if we are to satisfy the needs of students from other colleges."

"Many colleges and universities have drifted away somewhat from the concern for ethics and human values which has traditionally characterized the liberal arts. Recognizing both public and professional needs for education in these areas, faculty members in our College, together with others, have developed new courses, seminars, and a plan for a Center for

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Nov. 8, 1979. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

DEVELOPMENTAL YEAR COUNSELOR-STUDENT AFFAIRS, University Park — Responsible to provide various services to individual students to enable them to effectively adjust to the University environment socially, personally, and academically. Master's degree in sociology or counselor education is required. Over one year up to and including two years of effective experience in a directly related unit is necessary. **FIXED TERM 1 APPOINTMENT UNTIL JUNE 30, 1980.**

RESEARCH TECHNICIAN-COLLEGE OF AGRICULTURE, University Park — Coordinate and supervise the summarization of research data and maintain accurate research data records. Coordinate laboratory work under general guidance of academic

preregistration for Winter Term may register early and avoid re-turning to regular registration.

Wind Ensemble to perform

The Symphonic Wind Ensemble will present a concert at 8:30 p.m. Friday, Nov. 9, in the Music Building's Recital Hall.

Directed by Smith Toulson, associate professor of music, the ensemble will open the program with "Celebration Overture" by Paul Creston.

Assistant professors of music Monte Bedford on oboe and Christopher Callahan

Applied Ethics and Values.

Turning to the subject of graduate enrollments in the liberal arts, Dean Paulson notes that some 970 students are currently enrolled in the College. While this represents a decline of about 16 percent since 1972, certain areas such as public administration and economics have actually grown.

"Because a rigorous self-selection process on the part of the students is taking place, the quality of our programs has not been seriously affected and our graduates are doing well," Dean Paulson reports. "Last year, 86 percent of our Ph.D.s found teaching positions in the areas in which they had trained."

"Looking ahead, however, it's clear that the declining national birthrate will require some of our graduate students to seek careers in fields other than teaching. This is already occurring in such areas as psychology, where graduates are securing positions in hospitals, industry and other institutions, and in economics and political science, where doctoral degree holders find positions in government and business."

For the '80s, Dean Paulson believes that the liberal arts will continue to be a vital part of Penn State, in large measure because the "faculty, conscious of the past and sensitive to the present, is prepared to deal with the future with reason, good will and confidence."

He also draws encouragement from the fact that in the past few years a great many persons in business and government have begun speaking out about the need for liberal arts in an era of increasing specialization. One of the ablest is John C. Sawhill, who brought his experience as a Wall Street lawyer and Federal Energy Administrator to his current post as president of New York University. Sawhill said:

"At this point of liberal arts slapped on the managerial man and woman is not enough. Culture is not a condiment with which to pep up lawyers and bureaucrats at cocktail parties. It is not an embellishment but an absolute necessity if we as a society are to get our priorities right."

staff members. Perform various semen evaluation tests involving the use of the light microscope, differential interference colorimeter, hemacytometer, electronic cell counter, osmometer and pH meter. Assist with the dilution, processing and freezing of semen and coordinate the shipment of frozen bull semen. Supervise and train subordinate laboratory personnel. Check and maintain laboratory equipment in good operating condition. Be responsible for security of the main laboratory and the office building. Ensure the general cleanliness and orderliness of the laboratories. An associate degree in medical technology or its equivalent with one to two years effective laboratory experience.

POLICE SERVICE OFFICER-UNIVERSITY SAFETY, University Park — Responsible to the Police Supervisor for carrying out the functions of protection of life and property, preservation of peace and good order of the community, enforcement of laws, public safety, investigation of work and other related duties. Have a baccalaureate degree in law enforcement or the social sciences, or have 60 academic credits at a 2.0 or higher average and have 1-2 years experience as a law enforcement officer.

VETERANS RECRUITER-STUDENT AFFAIRS, University Park — Report to the Coordinator of Veterans Affairs with assigned responsibility to actively recruit recently discharged veterans of Pennsylvania and contiguous northeastern states. Considerable travel involved. Bachelor's degree with one to two years experience with service recruiting or procurement desired. **Veteran preferred. FIXED TERM 1 APPOINTMENT UNTIL JUNE 30, 1980, BUT MAY BE REFUNDABLE AGAIN NEXT YEAR.**

on horn will join the group in Mozart's *Serenade* in C minor. The work features two oboes, clarinets, bassoons and horns.

Rimsky-Korsakov's "Procession of the Nobles" will open the second part of the program followed by Aaron Copland's "Emblems." Symphonia No. 4 by Walter Hartley will close the concert.

A Statement

(Continued from page 1)

legislator who may have read the erroneous reports that I have nothing but deep respect and appreciation for the support that they have given Penn State over the years."

Employees complete enrichment course

Twenty-eight clerical employees of the University have completed a six-week Clerical Enrichment Program. The course is designed to familiarize clerical employees with University policy and organization, to identify work situation problem areas in the office, and to begin the initial stages of professional office training and preparation for career development.

Carol Barner, clerk-typist B, Continuing Education; Doris Carter, secretary C, Continuing Education; Susan Decker, clerk-typist A, Chemical Engineering; Sara Dymond, receiving clerk B, Libraries; Catherine Hess, clerk-typist B, Agriculture; Nancy Johnson, clerk A, Libraries; Sharon Leitch, clerk recorder, Continuing Education; Linda McCool, clerk-typist B, Libraries; Beth Ream, clerk-typist, Engineering; Jean Sowash, clerk A, Libraries; Gloria Walker, secretary C, Science; Vera Williams, clerk-typist B, Agriculture; Vicki Zimmerman, clerk-typist B, Material Research Laboratory; Robin Carson, clerk-typist B, Business Administration.

Christine Bosak, clerk A, Personnel Administration; Janice Brown, technical secretary C, Applied Research Laboratory; Susan Croyle, clerk-typist A, Civil Engineering; Connie Gearhart, accounting clerk A, Continuing Education; Vickie Gerontonis, technical secretary C, Applied Research Laboratory; Barbara Htinger, clerk-typist A, Science; Audrey Korman, technical secretary C, Land and Water Research; Rose Letterman, secretary C, Science; Susan Runk, secretary C, Liberal Arts; Carol Wilhite, clerk-typist B, Libraries; Robin Yeany, secretary C, Housing and Food Services; Lillian Garbrick, binding clerk, Libraries; Bonnie Cain, clerk-typist B, Libraries; Susan Finney, maintenance clerk A, Housing and Food Services.

The '80s

(Continued from page 1)

Pompeii and others who do field work with students on Pennsylvania Indian mounds.

Faculty members at the Commonwealth Campuses are no less innovative in finding ways to combine teaching and research, Dean Paulson notes. At Fayette Campus, for example, three English faculty members are compiling oral histories among the retired miners in the region.

"Clearly this is the direction which liberal arts education everywhere will take in the 1980s," Dean Paulson comments. "We must make the humanities come alive in our teaching if we are to attract a broader range of high school graduates."

Liberal arts professors are also beginning to explore ways of working beyond traditional department affiliations.

"Some of the most interesting work in the humanities today bridges discipline boundaries," Dean Paulson says. "For many years we have had faculty members in French and Spanish who also taught courses in comparative literature or historians who lectured in American studies."

"The Planning Advisory Committee of the College is encouraging this kind of flexibility on the part of our faculty members and recently conducted a survey to see how many instructors might be interested in teaching in areas outside their disciplines. The results were quite surprising, showing that many Liberal Arts faculty members are qualified and willing to teach in other programs."

Faculty members from Liberal Arts are reaching out not only beyond the confines of their specialties but also beyond their college. Dean Paulson cites a recent lecture by Stephen Toulmin, a widely known philosopher of science from the University of Chicago. As the first speaker in a seminar series on Wittgenstein's Vienna, sponsored by the Interdisciplinary Graduate Program in the Humanities, Dr. Toulmin attracted a substantial audience which included philosophers, art

Penn State Intercom

News in Brief

Ordinances regulate canvassers, solicitors

Three ordinances have been put into effect regulating activities of solicitors, canvassers, peddlers, door to door sales persons and temporary retail businesses in the borough of State College.

Persons or groups soliciting or canvassing are required to register, obtain a license, and display badges with personal photographs.

The ordinance defines canvassing as engaging in the activity of questioning persons for the purpose of obtaining information, data or opinions for political, educational or religious reasons. A new law also governs selling by "vehicle peddlers," such as street vendors.

The ordinance pertaining to transient retail dealers and businesses requires that they also register to obtain licenses with the town. Yard or garage sales are not included in this category if no more than two sales a year are conducted on the same piece of private property.

Anyone wishing to register a complaint, or interested in verifying the licenses of solicitors, canvassers or foot and vehicle peddlers, should call the State College Bureau of Police Services.

Renaissance Fund will honor Ulerich

University Trustee William K. Ulerich will be honored by the Penn State Renaissance Fund as one of Central Pennsylvania's outstanding citizens on Wednesday, Nov. 14.

Mr. Ulerich, chief executive officer of The (Clearfield) Progress and the Danville News and eight radio stations, will be guest of honor at a fund-raising dinner in Gatsby's restaurant, State College.

"As a perpetual tribute to Bill, we wish to raise \$25,000 to create three Renaissance Scholarships in his honor," said Trustee

Mimi Unger Coppersmith, Renaissance Fund Raising and Promotion Chairwoman. "It would be great for at least three Penn State undergraduates each year to be selected as the 'William K. Ulerich Renaissance Scholars'."

The Renaissance Fund was established at Penn State in 1970 to raise scholarship money for promising but needy students. The tradition of an annual dinner honoring a distinguished citizen was begun in 1977, and more than \$20,000 has been raised since then.

Mr. Ulerich served as president of Penn State's Board of Trustees from 1975-78. He has been president of the National Penn State Alumni Association and in 1969 was honored as a Distinguished Alumnus. In 1978, he received the Lion's Paw Medal.

Book renewals due Nov. 23

All library books out on a term loan should be renewed on or before Nov. 23. For renewal, telephone 863-2174 between the hours of 8 a.m. to noon, 1 to 7 p.m., and 8 p.m. to midnight Mondays through Fridays.

Museum excursion is planned

The Central Pennsylvania Society of the Archaeological Institute of America is sponsoring an excursion to the "Aspects of Ancient Greece Exhibition" at the Allentown Art Museum on Thursday, Dec. 6.

The bus will depart from the HUB at 8:30 a.m. and leave Allentown at 4 p.m. The cost is \$15. Reservations with payments are due by Friday, Nov. 16, and should be sent to Dr. Archibald Allen, head, Department of Classics, 110 Carnegie Building.

Athletes in Action to play

The Penn State men's basketball team will meet Athletes in Action at 8-10 p.m. Saturday, Nov. 17, in Rec Hall. Faculty/staff tickets (\$3) will go on sale at

(Continued on page 2)



Dr. Muller

Hershey chief named Secretary of Health

Gov. Richard Thornburgh has nominated Dr. H. Arnold Muller, associate professor of medicine and chief of the emergency medicine division at the Hershey Medical Center, to become Pennsylvania's Secretary of Health. Pending Senate confirmation, Dr. Muller will replace Dr. Gordon K. MacLeod in the post.

"Dr. Muller has a distinguished record as a teacher, physician, administrator and authority on vital medical issues," Gov. Thornburgh said. "His experience with medical concerns in state government will also enhance his ability to manage the Health Department and protect the health interests of Pennsylvania."

For the past five years, Dr. Muller served as medical adviser to the State Health Department's division of emergency health service. During the Three Mile Island crisis, he was chairman of the Medical Center's Radiation Hazards Committee.

Dr. Muller joined Hershey Medical Center in 1973, after having a private practice of internal medicine in Carlisle for eight years.

An Albany, N.Y., native, he earned his A.B. from Dartmouth in 1952 and his M.D. degree from Harvard in 1955. His internship was at the University of Pennsylvania Hospital. His residency, from 1956-59, was served at the University of Washington in Seattle.

PSU commissions an official history

Historian Michael Bezilla of State College has been commissioned to write the official history of the University.

"There has not been an official history for over 30 years," said Dr. Richard Grubb, senior vice president for administration. "Dr. Bezilla has established himself as a writer and historian in both the scholarly and the popular press. I feel he is an excellent choice for the job."

Dr. Bezilla, who will work out of an office in Pattee Library, says he expects the history to take at least three years to write and publish.

A 1972 graduate of Indiana University of Pennsylvania, Dr. Bezilla holds the M.A. and Ph.D. degrees in history from Penn State. Since September 1978, he has been working on a history of Penn State's College of Engineering.

He has been a lecturer in the

(Continued on page 4)

Senate to hold forensic session on Plan for '80s

The University Faculty Senate will hold a forensic discussion of Penn State's Plan for the '80s during its Nov. 13 meeting. The forensic session will follow action on one legislative proposal and discussion of two others.

At the start of the forensic session, Senate Chairman George McMurtry will outline procedures recommended by the Senate Council. Introductory presentations by Provost Eddy, chairman of the Steering Committee, and M. Frank Mallette, chairman of the Committee on Planning and Development, will follow.

The Plan then will be discussed chapter by chapter, with members of the Steering Committee and the various Task Forces available to answer questions. When all six chapters have been discussed, the remaining time will be used for general discussion and further questions and answers.

Any member of the University faculty or administration who is not a member of the Senate may request the privilege of the floor on any item of legislative or forensic business already before the Senate. Such a request must be made to the chairman, through the secretary of the Senate, at least four days before the meeting.

Although the Senate Committee on Planning and Development is the only committee that has been asked specifically to review the Plan and prepare a written report, any Senate committee may prepare such a report and submit it to the Steering Committee.

The legislative proposal to be voted upon is the recommendation of the Committee on Intra-University Relations that responsibility for the approval of medical curriculum courses and content be vested in the faculty members of the College of Medicine. The text of the

(Continued on page 2)

Energy savings to mount over recess

The University's holiday recess — lasting from the close of the workday Friday, Dec. 21, through Tuesday, Jan. 1 — will reduce energy costs by approximately \$176,000 at University Park.

That's what members of the University's Executive Energy Conservation Committee were told at a recent meeting.

"University Park buildings may be used by faculty and staff during the recess," said Ralph E. Zilly, vice president for business and chairman of the committee, "but temperatures can be expected to be in the 55 to 60 degree range and ventilation will be off."

Provisions will be made to protect animal quarters and other critical areas where ventilation and temperature control are important, Mr. Zilly noted.

The Executive Energy Conservation Committee will review all requests for exceptions to the reduced temperature and ventilation requirements. The requests must be endorsed by the appropriate dean or administrative officer in each area and received before Dec. 7 at 208 Old Main.

(Continued on page 2)

The Challenge of the '80s

Editor's Note: This article is the seventh in a series in which the academic deans reflect on what lies ahead for their colleges in the '80s.

During the 1980s, the College of Science will try to do its part to help Penn State enhance its position as a major research university, according to Dean Thomas Wartik.

"This is a survival tactic," Dean Wartik says. "Among our public institutions, the

major research universities, such as Berkeley, Wisconsin, and Michigan are the ones that have proven most attractive to undergraduate students. In a decade when the college age pool is declining, the ability to attract undergraduate students will be critical."

Basic science, because it underpins our modern technological society, is less subject to the waxing and waning of enrollment demands characteristic of more applied disciplines.

"You can't teach engineering without a knowledge of mathematics, chemistry and physics," Dean Wartik points out. "Business majors must know something about mathematics and, from now on, about computer science."

"Most of the College of Science undergraduate teaching load is in service courses taught to students outside of the College. We have no close competitor in the number of large enrollment courses our faculty members teach. Correspondingly, the percentage of our total student credit hours taught to students in other colleges is the highest on this campus. Because many of the disciplines which are

(Continued on page 3)



Dean Wartik

Penn Staters

Dr. Linda McArz Shoop, associate professor of educational psychology at the New Kensington Campus, recently received the 1979 "Outstanding Teaching Award" from Penn State's College of Education. The awards committee selected her "for performance as a teacher, adviser, developer of quality instructional processes and for performance as an evoker of professional aspiration." Dr. Shoop has been a full-time faculty member at New Kensington since 1972.

Dr. Richard Rose, associate professor of physiology and surgery at Hershey, has been awarded a Senior International Fogarty Fellowship. He will spend nine months performing studies on the electrophysiology of epithelia at the University of Otago School of Medicine, Denend, New Zealand.

Dr. Thomas F. Magner, associate dean for research and graduate studies in the College of the Liberal Arts, will visit the Republic of China Nov. 15-25 at the invitation of Taiwan's Ministry of Education. While in Taiwan, Dr. Magner, a specialist in Slavic sociolinguistics, will visit educational institutions and lecture on language and nationalism. After Taiwan, Dr. Magner will spend a week in the Philippines, visiting universities in and near Manila.

Dr. Roger M. Herman, professor of physics, recently gave a series of talks in England, France, and Germany. Dr. Herman spoke on "Vector and Scalar Intercorrelation Interference Effects in the Spectra of H₂ and HD" at Oxford University, the Institute for Advanced Study, L'Ecole Normale Supérieure, in Paris, and the University of Heidelberg. At Heidelberg, Dr. Herman also gave a talk on "Collisional Transfer of Coherence in Multiplets."

Burt L. Fenner, professor of music, has been selected as a 1979-80 ASCAP (American Society of Composers, Authors and Publishers) Award recipient. The awards are given to assist and encourage writers of serious music, and are based on the value of the composer's previous works. This is Prof. Fenner's third ASCAP Award in many years.

Dr. Robert W. Naismith, associate professor of biology at the Worthington Scranton Campus, presented a paper at the international conference on "In Vitro Toxicity: Current and Future Possibilities," held recently at the NATO Advanced Research Institute, Brussels, Belgium. Dr. Naismith was awarded a NATO Fellowship to attend the conclave. His paper was entitled "Optimum Levels of Liver Homogenate from Aroclor 1254 Induced Rats in Promutagen Metabolism."

Dr. Frederick M. Brown, assistant professor of psychology at the Worthington Scranton Campus, recently chaired and participated in the International Conference for Chronobiology, held in Hannover, West Germany. He was the co-organizer of the conference and was awarded a grant from the National Science Foundation to attend. Dr. Brown presented a paper entitled, "Rhythmicity as an Emerging Variable for Psychology," at a symposium commemorating Professor Wilhelm Wundt's founding of the first psychology laboratory in Leipzig 100 years ago.

Dr. Joseph Jordan, professor of chemistry, presented invited lectures recently at Brooklyn College and at the New Jersey Institute of Technology, Newark, entitled "Enthalpic Analysis and Immunological Thermochemistry" and "Resource Development in the Analytical Chemistry of Sulfur Compounds for the New Coal Conversion Technologies," respectively.

Dr. Charles D. Ameringer, professor of Latin American history, conducted a number of seminars and delivered a public lecture on United States-Caribbean relations at Western Kentucky University in Bowling Green Oct. 22-23. Dr. Ameringer's visit was sponsored by the Latin American Studies Center and the Departments of Government and History of Western Kentucky University, with funding provided by a grant from the U.S. Office of Education.

Retirements

Theola F. Thevaos, research assistant in rural sociology, College of Agriculture, retired Nov. 1 after 26 years of service with the University.

After a brief stay at Penn State during the 1952-3 school year, Ms. Thevaos became a full-time member of the University faculty in 1954 as an instructor in research.

She was appointed a research assistant in rural sociology in 1961. Ms. Thevaos has worked with researchers in obtaining primary data through personal interviews for research analysis, as well as collecting and tabulating secondary data for statistical analysis.

A native of Mississippi, Ms. Thevaos received her B.S. in home economics at the Mississippi State College for Women. She has also pursued graduate work at Mississippi State University and Columbia University.

John J. Swords, coordinator of veterans affairs, retired from the University Oct. 30.

Mr. Swords came to Penn State in 1965 as executive officer of the Naval Reserve Officers Training Corps unit. Following his retirement from the U.S. Marine Corps in 1969 with the rank of lieutenant colonel, he was named assistant to the vice president for student affairs at the University.

In 1971 he was named veterans counselor with responsibilities for assisting veterans with personal, financial, academic and other questions and problems. He became coordinator of veterans affairs last year.

Mr. Swords earned a bachelor's degree in mathematics from Hobart College and a master's degree in higher education counseling from Penn State. He is a native of New York City.

Promotions

Staff Non-Exempt

Marie O. Graham to senior staff nurse at Hershey.

Heather R. Hertzler to senior staff nurse at Hershey.

Helen A. Koslosky to senior staff nurse at Hershey.

Cathy J. Pettengill to senior staff nurse at Hershey.

Margaret J. Shimko to senior staff nurse at Hershey.

Judy A. Smith to senior staff nurse at Hershey.

Darlene A. Wilkins to senior staff nurse at Hershey.

Technical Service

Douglas G. Bangs to mail clerk-courier at Hershey.

Stanley L. Clouser Jr. to machine operator in Housing and Food Services.

Jerald M. Duck to barn worker-milker in Agriculture.

Susan C. Hummel to patrol officer at Berthend College.

Martin L. Ishler to poultry work, general in Agriculture.

Victor L. Janosky to food preparer A in Housing and Food Services.

Ruth M. Keener to patient service aide at Hershey.

Marian L. Lockhart to poultry processor, helper in Agriculture.

Steve D. McCorkle to receiving clerk at Hershey.

Jeffrey L. Monsell to truck operator, waste sludge in Physical Plant.

Leroy H. Sampsel Jr. to group leader-carpenter at Hershey.

Paul K. Shellenberger to poultry worker-general in Agriculture.

Lorna K. Stover to food preparer B in Housing and Food Services.

Clarence E. Thompson to group leader, intramurals equipment in Health, Phys. Ed. and Recreation.

Leonard Witt to cook leader at Nittany Lion Inn.

Elizabeth Jane Wyda to general maintenance C at Wilkes-Barre.

Joseph J. Wyda to general maintenance A at Wilkes-Barre.

Staff Vacancies

The following vacancies for positions classified as staff except or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Nov. 15, 1979. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

COORDINATOR-CAMPUS RESIDENTIAL LIFE, Altoona—Responsible to the Dean of Student Affairs for carrying out specific responsibilities for the Residence Hall Program including administration of the Gooden Standards System, selection and supervision of student assistants; developing cultural, social, and educational programs; and counseling of students. Bachelor's degree or equivalent plus at least one or two years of effective experience are required or a master's degree or equivalent in student personnel or related field with three to six months residence hall experience. It is a continuous, 10-month appointment.

ENGINEERING AIDE-APPLIEE RESEARCH LABORATORY, University Park—Responsible to the Project Engineer or designated Senior Engineering Aide for design, modification, testing, installation, operation and maintenance of electronic equipment and components. Assist in collection, compilation, and analysis of data. Associate's degree or equivalent in electrical or electronics engineering technology program, plus over two to four years of effective experience. Position may require travel on field assignments including assignments aboard ships at sea.

LABORATORY TECHNICIAN-DAIRY BREEDING RESEARCH CENTER-COLLEGE OF AGRICULTURE, University Park—Select semen samples; perform semen evaluation tests including estimations, preparations of stained semen smears, and determination of sperm concentration with colorimeter, hemacytometer and electronic cell counter. Maintain records and summarize data. Prepare chemical and biological media and perform procedures used in processing and freezing semen. Operate and maintain a variety of equipment including automatic ampule labeling machine, pumps, automatic filler and sealer, electronic temperature recorder, autoclave, drying oven, water still, analytical balance, electronic cell counter, spectrophotometers, low temperature baths, automatic syringes, osmometer, pH meter and differential interference microscope. Prepare reagents for laboratory tests. High school graduation or its equivalent with up to one year of effective laboratory experience required.

AREA REPRESENTATIVE FOR CONTINUING EDUCATION, Olathe County—Responsible for the functions of development, organization, operation and administration of Continuing Education programs and services within an assigned geographic district. Bachelor's degree or equivalent, plus two to three years of directly related experience or a master's degree or equivalent, plus one to two years of directly related experience.

Energy savings

(Continued from page 1)

"It is expected that adequate planning by individuals will significantly reduce the number of requests for exemptions compared to last year," Mr. Zilly said.

At locations other than University Park, requests for exemptions will be reviewed by the provost, director or appropriate administrative officer.

Senate

(Continued from page 1)
proposal was published on page 6 of the Sept. 27 INTERCOM.

The two legislative proposals to be discussed have been formulated by the Committee on Academic and Athletic Standards and the Committee on Undergraduate Instruction.

Acting at the request of the director of the Office of Foreign Studies, the Committee on Academic and Athletic Standards is attempting to resolve some problems caused by students in foreign studies programs taking courses on a pass-fail basis.

Thus, the committee is proposing the following addition to Academic Policy 49.60 (Pass-Fail, Baccalaureate Degree Candidates): "Courses abroad may not be taken under the pass-fail grading system except in highly unusual circumstances and then only with the advance (that is, during the preceding term) authorization of the Office of Foreign Studies."

The proposal of the Committee on Undergraduate Instruction concerns the conferring of academic credit for two courses—English 1D and Math 1—taken by developmental Year students.

The proposal is similar in content to one passed by the Senate on Oct. 4, 1977, which allowed credits earned in Basic Skills courses English 4 and Math 0 to be included in the student's cumulative grade point average. The purpose of that proposal, as with the new one, was to permit students to use these courses to satisfy PHEAA requirements that full-time students schedule a minimum of either eight credits per term or 24 credits per academic year.

The Undergraduate Instruction Committee is recommending that English 1D and Math 1 be included in the cumulative grade point average but not satisfy or substitute for the categories of "BDR," "Requirements for the Major," "Requirements for the College," and "Electives." The recommendation would give students in the Developmental Year Program the same consideration given to students required to schedule Basic Skills courses.

News in brief

(Continued from page 1)
the Rec Hall Ticket Office at 8:30 a.m. Monday, Nov. 12, and will be available for purchase throughout the week.

Athletes in Action—an arm of the Campus Crusade for Christ—is a team composed of former All-Americans and outstanding college players. "This will be the best basketball team to come to Rec Hall this year," Penn State Coach Dick Harter says. The game is part of an athletic doubleheader on Nov. 17, as the football team will play Temple at Beaver Stadium that afternoon.

Marital consultation

The Individual and Family Consultation Center of the University is offering a free program to help husbands and wives enhance their relationships. The program centers on the teaching of such skills as listening, expressing, problem solving, negotiations, and mutual helping skills.

According to Anne Yenchko, program coordinator, couples meet weekly either privately or in small groups to learn and practice the relationship enhancement skills. The average length of the sessions is 10 to 12 weeks.

The program is appropriate for couples who may be having serious problems with their marriage or those who are satisfied but want to learn how to enrich their relationship further.

Couples interested in more information may call Ms. Yenchko at 865-1751 weekdays from 8 a.m. to 5 p.m.

University Park Calendar

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Nov. 8-18

Special Events

Thursday, Nov. 8
Shakespeare Film, Scofield/Brook, King Lear, 6:30 p.m., Room 112 Chambers. Free.
E&MS Lecture, Carl Sherman, petroleum and natural gas engineering, on "Oil and Gas: Ripoff or Bargain?" 7:30 p.m., Room 112 Walker.
GSA, Craft Workshop, 7:30 p.m., Room 102 Kern.
Penn State Dames meeting, 7:30 p.m., Room 101 Kern.
Religious Affairs, 10 part film, "How Should We Then Live?" 7:30 p.m., Memorial Lounge, Eisenhower Chapel.

Friday, Nov. 9
Geography Dept. coffee and lecture, 3:45 p.m., Room 319 Walker. Howard Palmer, associate dean, Graduate School, on "Entropy: Is the World Really Running Down?"
Sports: soccer, vs. Connecticut, 7:15 p.m., Lamb Fellowship, Larry Tomczak and C.J. Mahaney, evangelists, on "Preparing for the '80s," 7:30 p.m., Schwab.

PSU Symphonic Wind Ensemble Concert, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, Nov. 10
Last date to submit petition to Records Officer to graduate in absentia in November.
Sports: men's fencing, Men's and Women's Open, 8 a.m., through Nov. 11.
Penn State Symphony Orchestra Young People's Concert, 10:30 a.m., Eisenhower Auditorium.
Lamb Fellowship, Larry Tomczak and C.J. Mahaney, evangelists, on "Preparing for the '80s," 7:30 p.m., Schwab.

Sunday, Nov. 11
Lamb Fellowship, Larry Tomczak and C.J. Mahaney, evangelists, on "Preparing for the '80s," 10:30 a.m., HUB Ballroom.
University Chapel Service, 11 a.m., Eisenhower Chapel. The Reverend James May, O.S.B., PSU Catholic Center, speaker.

Shaver's Creek Nature Center, Winter Search for Insects and their Relatives, with Charles Rutschky, professor of entomology, 2-4 p.m., Stone Valley.
Opening Reception for Betty Parsons and Clinton Hill exhibit, 3-5 p.m., Zoller Gallery, Visual Arts Bldg.

Monday, Nov. 12
Last day to sign Fall Term Emergency Loans, Room 108 Shields.
Early registration for Winter Term, through

Nov. 16, 8:30 a.m.-4:30 p.m., Room 112 Shields.
Fall Term classes end, 9:55 p.m.
Tuesday, Nov. 13
Final Examinations.
Museum of Art Gallery Talk, 10:30 a.m., Museum of Art, Christopher Comer, Princeton Univ., discusses the exhibit of French drawings from European collections (the former Armand Goblet Collection).
University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

Wednesday, Nov. 14
Final examinations.
Thursday, Nov. 15
Final examinations.
Commons Videotape, "TV Quarterbacks," noon, Kern Lobby.
Board of Trustees meeting, Keller Bldg.

Friday, Nov. 16
Final examinations.
Board of Trustees meeting, Keller Bldg.
Saturday, Nov. 17
Sports: football, vs. Temple, 1:30 p.m.; exhibition basketball, "Athletes in Action," Residence Halls close for Fall Term, 3 p.m.
Artists Series, Johnny Cash Concert, 7:15 and 9:30 p.m., Eisenhower Auditorium.

Seminars

Friday, Nov. 9
Analytical Chemistry, Albert Robbat, grad student, on "Electroanalytical Determination of Selected Sulfur Heterocycles Found in Coal Liquefaction Processes," 11:10 a.m., Room 333 Whitmore (rescheduled).

Microbiology, Cell Biology, Biochemistry and Biophysics, Joyce Hawkes, Northwest Fisheries Center, Seattle, Wa., on "Effects of Marine Contaminants on Fish Tissue," 2:20 p.m., Room 101 Althouse.
Statistics, James Frane, UCLA, on "Issues in Handling Incomplete Data in Multivariate Analysis," 2:30 p.m., Room 117 Borland.
Philosophy, Mitchell Miller, Vassar, on "Plato's Parmenides: A Socratic Reading," 4 p.m., Room 101 Kern.

Physical Chemistry, J. Franklin, Rice Univ., on "Energy Distribution in Ionic Dissociation Reactions," 4 p.m., Room 333 Whitmore.

Monday, Nov. 12
Genetics, Gori Lee, grad student, on "Cytogenetics of Brook Trout," 3:55 p.m., Room 111 Tyson.
Plant Pathology, D.C. McCune, Cornell Univ., on "Saline Drift from Cooling Towers: Prediction of Its Impact on Vegetation," 3:55 p.m., Room 213 Buckhout.



Drawing by Charles-Dominique Joseph Eisen in Museum of Art show, "French Drawings from European Collections, The Former Armand Goblet Collection," opening Nov. 11.

Microbiology, Cell Biology, Biochemistry and Biophysics, Vincent Hascall, NIH, on "Structure and Biosynthesis of Proteoglycans (I)," 4 p.m., Room 101 Althouse.

Tuesday, Nov. 13
Microbiology, Cell Biology, Biochemistry and Biophysics, Vincent Hascall, NIH, on "Structure and Biosynthesis of Proteoglycans (II)," 11 a.m., Room 101 Althouse.
Food Science/Sigma Xi, J.E. Kinsella, Cornell Univ., on "Protein Functionality," 11:10 a.m., Room 201 Borland.

Population Issues Research Center, Dr. Wendy Baldwin, National Institute of Child Health & Human Development, on "Adolescent Fertility: Trends and Consequences," 2:30 p.m., Room 308 Willard Building.

Exhibits

Chambers Gallery: Graduate and Undergraduate Students' Drawings, throughout end of Fall Term.

HUB Galleries: Dick Brown, photographs, through Nov. 17, The Gallery. Craft Exhibit from the HUB Craft Building, through Nov. 17, Art Alley.

Kern Commons Galleries: Penn State

Students, "Handmade Paper as Art," through Nov. 17. United Nations photographic display, "Focus: Children U.N., 1979," through Nov. 17. Mitchell Weiss, ceramics, School of Visual Arts students, "Glass Works from Penn State," through Nov. 17.

Museum of Art: European works and American paintings, drawings and prints from the permanent collection, through Nov. 11. French drawings from European collections (the former Armand Goblet Collection), opens Nov. 11. Oriental works from the permanent collection, opens Nov. 18.

Patte Library: Central Pa. Chapter of Pa. Guild of Craftsmen, "Paper Expressions," through Nov. 16, Main Lobby. David Harmon, William Welch and Russell Vanecek, paintings, through Nov. 16, East Corridor Gallery. Timothy G. Phillips, drawings, through Nov. 16, Lending Services Lobby.

Robeson Cultural Center: "Art from Pittsburgh," mixed media, through Nov. 18, Walnut Building.

Visual Arts Bldg. Zoller Gallery: Betty Parsons and Clinton Hill exhibit, opens Nov. 11.

The '80s

(Continued from page 1)
predicted to flourish during the '80s rely on the basic sciences, I don't foresee any drop in the demand for our services. It may even increase."

The enrollment of majors in the College has held up well, according to Dean Wartik. "Last summer and fall," he says, "for the first time in our history, we admitted more new students at University Park than any other college. The decline in the number of mathematics and physics majors seems to have stabilized, and it has been more than offset by the increase in the number of computer science majors. Currently we have over 500 of them, making us about the largest in the country in the number of undergraduate majors in this discipline."

The College, a prime mover in the creation of the Penn State Scholars Program, is moving vigorously to attract top quality academic students. With the assistance of a grant from its alumni society, an audio-visual presentation was developed for faculty members and alumni to take into Pennsylvania high schools.

"We talk with juniors who have expressed an interest in careers in science," Dean Wartik says, "and try to point out to them the advantages of getting a scientific education at a large research university."

The quality of undergraduate teaching in the College of Science is of major

concern now and in the '80s, Dean Wartik says.

"In recent years, we have made an effort to move senior faculty members into large-enrollment undergraduate lecture sections instead of turning them over to graduate teaching assistants or temporary faculty members. Bringing this additional experience into our service courses has resulted in a sharp drop in the number of instructional problems we encounter. During the '80s our efforts to provide high quality instruction for every student we teach will continue."

Is it possible to improve a college's scholarly reputation in an era of declining resources? Dean Wartik believes it can be done.

"The quality of a college or university is determined by the quality of its faculty members," he explains. "If a university has high expectations of its faculty members, it can excel."

"To achieve quality," Dean Wartik continues, "you must constantly compare your performance with that of the very best institutions. The national and international stature of faculty members can be measured by a number of objective criteria."

He cites such measures as national and international awards presented for achievements in research, level of external funding, Fulbright and Guggenheim fellowships, memberships on journal editorial boards and granting agency panels, and invitations to deliver seminars

and colloquia at other first-rate institutions.

"By these measures, faculty members in the College of Science get high grades and are steadily improving," Dean Wartik says. "For example, the number of grants per faculty member in the College has now risen to 0.74. The rate of our external funding has gone up far faster than the rate of inflation. It totals almost \$6 million as compared to \$2 million less than eight years ago."

"During the '80s, really excellent departments are not going to have any difficulty in obtaining outside research funds. Some institutions of higher education have adopted the attitude that if they can only hold their own during the next decade, they will be doing well. Our posture is that we do not need to stand still if we have very high expectations for all of our faculty members — both tenured and non-tenured. In the next decade, we see an opportunity for us to pass by other departments by trying hard than they do."

Increased federal funding for research means larger graduate student enrollments. Dean Wartik thinks the graduate student population in the College of Science could increase by as much as 100 percent in the 1980s.

"After a period of stabilization, the number of chemistry graduate students is beginning to rise," he says, "and the health-related areas in the College are also growing, in part because there are so many

challenging problems to be solved."

Computer science would like many more graduate students; however, last year there were only 121 doctoral degrees awarded in this area nationally. Candidates are taking high-paying jobs instead of going to graduate schools.

"Enrollment perturbations will probably occur among our departments in the 1980s," Dean Wartik comments. "But it is inconceivable to me that a time will ever come in this country when we would say that no more research needed to be done in the physical, mathematical or biological sciences. Without discoveries in the basic sciences, there would be no technological progress or advances in medicine."

"Scientists like Faraday, Rutherford, Einstein and Planck never considered the applications that might come from their work. But without discoveries such as theirs, we wouldn't have telephones, electric motors, lasers, or television. "Astronomy is perhaps our one department whose courses are not a prerequisite to any other major in the University. Nevertheless, it is essential that research in astronomy be continued in this country to answer challenging and important scientific questions about the nature of the universe."

"The College of Science is a basic science college. Our principal mission is not to provide training for specific types of employment but to promote the advancement and dissemination of scientific knowledge."

Artists create a new medium making paper by hand

Think "paper."

Chances are you're conjuring up an image of a clean, white sheet measuring 8½" x 11". Something to write on, type on, draw on, paint on, print on, photocopy on.

Artists, too, traditionally have considered paper in much the same light, using it as a tool, a means to an end, an element on which to *impress* their creations.

But no longer. In growing numbers, artists are discovering the creative potential paper holds as an end in itself. With their own hands, they are making paper "from scratch." And in the process they're texturing it, coloring it, shaping it and combining it with other materials to fashion works of art.

In short, hand papermaking has become a serious artistic medium with an integrity and a message all its own.

"There's been a significant trend toward papermaking in the art community during the last five years," says Diane Pepe, assistant professor of art at the University. Ms. Pepe teaches Art 498F, "Experimental Papermaking," to classes of 10 to 18 students a term.

"It's become a medium of the times," she observes, adding that papermaking is to the '70s what printmaking was to the '60s.

The reasons for this ascendance are several.

"Artists, when confronted with something new, can be particularly intuitive and experimental," she notes. "For years, we've been using paper as a medium to work on, not with. In papermaking as an art form, however, there are no precedents to follow, no norms, no standards of comparison. There are also no limits; we're free to do what we want."

Papermaking cuts across all artistic disciplines, Prof. Pepe points out. Artists can infuse their papermaking with ideas and techniques extrapolated from their own specialties, while gaining new insights to take back to those same specialties.

Prof. Pepe's classes attract students from the various majors within the College of Arts and Architecture, creating an interdisciplinary atmosphere in her



Pulp fibers mat instantly into paper as Prof. Pepe (right) lifts the "mold and deckle" from the vat.

basement workshop in the Visual Arts Building.

"Architecture majors are interested in learning about the structural uses of paper for building models," she explains. "The ceramics people are attracted by the possibilities for molding the paper and combining it with clay. Printmakers find that the lamination bases make a very receptive, fine quality paper to print on."

"Design students use it to make fine prints," she continues, "and sculpture students use it in large-scale sculpture pieces. When these people meet in class, there's a constant cross-fertilization of ideas."

Quality control is another factor affecting papermaking's popularity. "You're not limited to the textures and surface qualities of paper that's available commercially," Prof. Pepe points out. "You're able to vary the opacity, the thickness, the color, shape and size."

In addition, papermaking is relatively inexpensive, and the process employs

common materials. True paper — as opposed to papyrus, parchment, or vellum — consists of any fibrous, cellulose material that can be combined with water to form a wet pulp. Thus wood fiber, linen and cotton rags, straw and onion skin, among other things, work nicely.

Another frequently used material is paper itself — recycled, Prof. Pepe says. Her students use pads, old drawing and print paper, egg cartons, even computer cards for base pulp.

The basics of papermaking can be learned in a day, she claims, though the techniques of refinement can take a lifetime to master.

Essentially, the process involves breaking down the fibrous material in water until the fibers separate. In order to "re-bond," each fiber must have water beaten into it; the beating also serves to fray the surface of each fiber into smaller fibrils.

The fibers are removed from the water via a sieve-like screen; the surface tension of the draining water draws neighboring fibers into tight embrace, and the fibrils lock together. The thin layer of matted fiber remaining on the screen is paper, which can be dried in place or removed and dried separately.

"The process can be a revelation to artists," Prof. Pepe says. "It allows them to 'see' paper as a liquid form capable of being molded into many shapes."

Prof. Pepe and her students start the process by cutting their material into 2" x 2" squares and feeding them into a Hollander beater, a machine in which the fibers are broken down and hydrated, or super-saturated.

The resulting pulp is poured into a vat and further mixed with water for the sheet-forming process, the thickness of the sheet depending upon the proportion of pulp to water.

The "mold and deckle" (the sieve-like screen) is dipped into the pulp mixture and lifted out. The newly-formed sheet is then "couched," or transferred from the mold to dampened felt. After the process is repeated several times, the resulting stack of wet sheets — interspersed between felt — is placed in a 20-ton hydraulic press, which squeezes the moisture out. The paper can be dried further in a variety of ways.

"The creativity in papermaking enters each part of the process," Prof. Pepe avers. "It lies in texturing the paper, coloring it, altering the mold, mixing in whatever materials the artist chooses, and, of course, determining the aesthetic form the paper takes afterwards. Many of the works are three-dimensional."

"My students also like to experiment with watermarks — the translucent lettering or designs visible on

commercially bonded paper."

Watermarks, made by affixing a wire pattern to the mold, were invented by Italian papermakers about 1250. The use of these designs — unique to each papermaker — spread throughout Europe. Watermarks may have had some religious significance, but most scholars on the subject say they were used chiefly to identify the papermaker, making paper selection that much easier in an age when illiteracy was rampant.

"Watermarks are just one of the infinite creative options available to papermakers," Prof. Pepe says. "The medium keeps growing incredibly because the artist is limited only by her or his imagination."

The products of Prof. Pepe's students' imaginations — in a show entitled "Homemade Paper as Art" — are on display in Kern Commons Gallery through Nov. 17.

In addition, another papermaking show — "Paper Expressions" — is on view in the main lobby of Pattee Library through Nov. 16. The show features pieces by members of the Central Pennsylvania Guild of Craftsmen that resulted from a workshop Prof. Pepe held for Guild members in September. — Roger Williams

Campus Update

The Beaver Campus will host dancers, singers and musicians from various ethnic groups during its Ethnic Awareness Day on Sunday, Nov. 11. Sponsored by the Student Government Association, the free celebration will be held in the gymnasium from noon to 8 p.m. It will feature ethnic displays and food booths as well as performing artists.

The York Campus is the recipient of an \$18,043 grant from the Office of Higher Education, Pennsylvania Department of Education. The grant is to be used for enhancing associate degree programs in computer science.

President Oswald has appointed eight persons to the Delaware County Campus Advisory Board. The appointments constitute the first step in the expansion of the board from its current membership to 25 members, the limit imposed by the board's by-laws.

History

(Continued from page 1)

University's Department of History and a graduate fellow of the Pennsylvania Transportation Institute. Dr. Bezilla's book, *Electric Traction on the Pennsylvania Railroad, 1895-1968*, will be published next year by the Penn State Press.

Although he expects ample material to be available through conventional sources, Dr. Bezilla said he will welcome contributions to the bibliography. These can be made through the library's Penn State Room.

The last history of Penn State was written by W. F. Dunaway and published in 1946.

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Patti Quill (left), a ceramics major, helps Prof. Pepe "couch" the paper by transferring it from the mold to dampened felt.

Penn State Intercom



LEAVE TAKING — Time to bring in the outdoor furniture at the Nittany Lion Inn.

News in Brief

PSU freshman SAT scores above national average

Fall Term freshmen at the University averaged 99 points above the national average for college-bound students in the Scholastic Aptitude Tests.

Freshmen who entered Penn State this fall had an average total score of 993 on the widely used college entrance tests. The figure was up a point over last year and nine points since 1975. The national average of 894 was down three points from last year and down 12 points since 1975.

University Park-bound freshmen had an average score of 1,064.

"It is extremely encouraging that Penn State continues to attract students who are defying the national trend of falling SAT scores," said Dr. Robert Dunham, vice president for undergraduate studies.

Penn State freshmen averaged \$26 in the math SAT and 467 in the verbal. Nationally, the averages were 467 in math, 427 in verbal.

A total of 9,273 Penn State-bound students took the 1979 exams.

Affirmative Action reference data available

The Employment Division has a library of Affirmative Action/Equal Employment Opportunity reference material to assist University personnel seeking recruitment and affirmative action information. Such information may prove helpful, for example, in ascertaining availability of minorities and women for specific job categories or in locating recruiting sources in fulfillment of affirmative action, good faith efforts.

Some examples of the kinds of data available in this library are:

- (1) A directory for reaching minority groups,
- (2) A directory of resources for affirmative recruitment,

- (3) A handbook for recruiting at the traditionally black colleges,
- (4) A directory of organizations interested in the handicapped.

While the reference material is not available for overnight loan, it may be used in the Employment Division, Room 117 Willard Building, between 8 a.m. and 12 noon and from 1 to 5 p.m., Mondays through Fridays.

Parking regulations are in effect over term breaks

University Park parking rules and regulations are in effect year-round, including term breaks, parking coordinator Allen Derzak reminds faculty and staff members.

The regulations specify that vehicles with current faculty-staff parking permits must be parked in the assigned parking area or in one of the designated "open" parking areas between 7 a.m. and 5 p.m., Mondays through Fridays.

After 5 p.m., vehicles with current permits may be parked in any bonafide parking space, including individual reserved spaces, visitor spaces, 15-minute spaces or any other reserved space, with the exception of 24-hour spaces as indicated on the individual reserved sign.

Continuing Ed office moved

The State College-University Park area office for Continuing Education, directed by Harry V. Weaverling, has moved from 309 Shields Building to 102 Bouck Building, effective Nov. 8. All services normally conducted by the office will continue as usual. The phone number (865-3443) remains the same.

Bookstore closed for holiday; temporary openings available

The Penn State Bookstore will be closed from Thursday, Nov. 22, until Monday, Nov. 26.

The Bookstore, located in McAllister Building, has temporary positions

available for anyone interested in working for approximately two weeks at the beginning of Winter Term. Interested persons should contact William McVicker at 863-0205.

Swimming, Diving Relay Championships Nov. 30-Dec. 1

The 11th Annual Penn State Swimming and Diving Relay Championships will be held at the Natatorium on Friday, Nov. 30, and Saturday, Dec. 1.

Participating will be teams from Allegheny College and these universities: Bucknell, Colgate, East Carolina, Glassboro State, George Washington, Johns Hopkins, Maine, Maryland, North Carolina, North Carolina State, Penn State, Pitt, Syracuse, Villanova and West Virginia.

Low board diving trials will begin at 8 p.m. Nov. 30. Swimming trials will be held at 9 a.m. Dec 1, with the high board diving trials to follow at 11 a.m. Swimming and Diving Finals will start at 3:30 in the afternoon. Tickets cost \$1 for the trials and \$1 for the finals.

PSU Olympic role traced

Dr. John Lucas, professor of physical education, is the author of a new publication, *Penn State at the Olympic Games: 1904-1976*.

The publication traces the roles of 59 athletes, coaches, trainers, judges and administrators with Penn State affiliations in the Olympic Games, beginning with the 1904 competition at St. Louis and continuing through the 1976 Olympiad at Montreal.

Dr. Lucas has attended the last four Olympic games and has served as a contributing author for "Olympic Review," published by the International Olympic Committee.

His booklet is available for \$4.25 at the Penn State Bookstore and at novelty stands in Beaver Stadium during Penn State home football games.

Graduate School seeks funds for Schilling lecture

The Graduate School is undertaking a \$50,000 fund raising drive to provide an endowment for a Harold K. Schilling Lectureship.

Dean Schilling, a physicist, died last May. He joined the faculty in 1961 and served as director of the Acoustics-Ultrasonic Research Laboratory and head of the Physics Department before becoming dean of the Graduate School in 1950. After 14 years in that post, he became the first University Professor at Penn State.

"Dean Schilling was deeply interested in the relationships between scientific conclusions and religious beliefs," Graduate School Dean James B. Bartoo points out. "The proposed lectureship will provide a means of bringing to students' attention important issues where religious beliefs relate to the discoveries of science."

Dean Schilling was the author of three books dealing with this subject and organized two summer seminars which brought together physicists and theologians.

Several thousand dollars have already been raised for the fund, according to Dean Bartoo. Faculty and staff members wishing to contribute may send checks made out to the University and designated for the Schilling Memorial Fund either to the Graduate School in Room 320 Kern Building or to the Office of Gifts and Endowments, Room 116 Old Main.

Theatre party Dec. 1

The Faculty Women's Club is sponsoring a theatre party for the University Resident Theatre Company production, *You Can't Take It With You*, at 8 p.m., Saturday, Dec. 1, in the Pavilion. The \$6.50 cost includes admission to the performance and to a wine and cheese party to be held afterwards in the Pavilion.

Reservations are due by Saturday, Nov. 17; checks payable to the Faculty Women's Club should be mailed to Mildred Reinschmidt, 102 Long Meadow Lane, State College. For further information, call Ms. Reinschmidt at 237-9771.

Sigma Xi invites transfers

The Penn State Chapter of Sigma Xi, the scientific research society, is inviting all Sigma Xi members affiliated with other chapters to join. To transfer membership, contact Roberta Beebe (865-1831) at 222-A Hammond Building. Those whose memberships have lapsed may call her for reinstatement, with no cost or penalty involved.

Maples to be removed

The Office of Physical Plant will remove seven maple trees along Pollock Road between Atherton Street and the McAllister Building.

The University's Tree Commission indicates that these trees have been deteriorating for a number of years. They will be replaced with scarlet oaks.

Penn Staters

Dr. Barbara J. Garrison, assistant professor of chemistry, has won a special grant from newly appointed young faculty members in chemistry from the Camille and Henry Dreyfus Foundation. She is one of ten winners selected from across the United States.

The new program of grants, worth \$25,000 each, is designed to enable selected young chemists to start research promptly after becoming full-time faculty members. Dr. Garrison plans to use her grant to continue work on new approaches needed to understand chemical bonding and the structure of atoms and molecules as they interact with metal surfaces. She earned her B.S. at Arizona State University and her Ph.D. at UC-Berkeley.

Dr. Paul T. Baker, professor of anthropology, has recently been elected for a five-year term as president of the International Association of Human Biologists. This organization, which is an affiliate of the International Union of Biological Sciences, represents the membership of six national organizations and a world-wide group of individual scholars from countries lacking appropriate national societies. The association facilitates international scientific cooperative research and meetings for professionals from biological anthropology, genetics, physiology and medicine who are concerned with human biological problems at the level of populations.

Sara Lou Whildin, head librarian at Delaware County, is one of 20 librarians from throughout the United States (and the only one from Pennsylvania) to be selected to participate in a new training program of the Office of Management Studies (OMS). Following a two-week workshop, the librarians selected will work as consultants with OMS analyzing and developing library projects and procedures.

Dr. Anton Schoolwerth, associate professor of medicine and physiology and chief of renal medicine at Hershey, recently was an invited speaker at the fifth International Symposium on Biochemical Aspects of Kidney Function, held at Merton College, Oxford, England. He presented a paper entitled "Further Studies on the Effect of Aminoacylase on Glutamate Deamination by Rat Kidney Mitochondria," co-authored by Dr. Kathryn Harry, associate professor of physiology.

Dr. E-tzu Zen Sun, professor of Asian studies, has been elected president of the Mid-Atlantic Region of the Association of Asian Studies for 1980. The organization has some 3,000 members.

Dr. Kenneth K. Kuo, associate professor of mechanical engineering, recently conducted a five-day course on "Creative Burning in Gas Permeable Solid Propellants" at the Centre du Recherches du Bouché de la Société Nationale des Poudres et Explosifs (SNPE) near Paris. SNPE is a government facility which does research on and development of propellants and explosives. Each year it invites an international specialist to conduct an intensive summer course for its employees.

Alice M. Hoffman, professor of labor studies, presented the keynote address at the Oral History Association meetings in E. Lansing, MI, on "Contributions of Oral History to the Study of Labor History." She also served as chairman of a task force at The Wingspread Conference of the Association to develop standards of professionalism for oral historians.

Dr. Michael C. Danahy, associate professor of French, participated in the sixth Colloquium on Nineteenth Century French Studies, sponsored this year by the University of Pennsylvania Oct. 18-20. Dr. Danahy presented a paper entitled "Semiotic Versions of Suicide," in which

he presented a new interpretation of Flaubert's novel *Madame Bovary*. Some of his research is based on the interdisciplinary perspectives of contemporary women's studies.

Two members of the University's Cooperative Extension Service have received Distinguished Service Awards from the National Association of Extension 4-H Agents. They are Robert J. Kessler, Franklin County 4-H agent, and Gordon D. Walker, Mifflin County Extension agent.

Robert W. Baisley, professor of music, was recently elected to a two-year term as president of the 2500-member Alumni Association of the Yale University School of Music. He was also elected to a three-year term on the Association of Yale Alumni.

The following employees of the University have completed an eight-week Writing Skills for Secretaries/Clericals program:

Georgia Benzie, secretary A, Business Services; Sharon Brode, clerk typist A, Education; Margaret Felice, accounting clerk A, Continuing Education; Pamela Hillard, secretary C, Business Administration; Charlotte Hitchcock, senior records clerk, Registrar; Linda Houtz, secretary C, Agriculture; Virginia Johnston, secretary C, Continuing Education; Inez Lauck, senior transcription clerk, Registrar;

Rita Lux, clerk typist A, Housing and Food Services; Brenda Pletcher, secretary C, Undergraduate Admissions; Dorothy Polcyn, secretary B, Continuing Education; Norma Ruedy, secretary A, University Park Airport; Kristine Seifchick, clerk, steno A, Education; Lutricia Smeal, terminal clerk, Housing and Food Services; Bonnie Struble, secretary C, Special Services Building; Lois Stuart, secretary C, Continuing Education; Mary Jo Thal, secretary B, Personnel Administration; Janice Wingate, secretary B, Controllers Office; Nancy Yoder, secretary B, Continuing Education; Margaret Zinn, accounting clerk, Continuing Education.

University employees who completed the EXCEL training and development program during the past term include:

Cecelia Baekert, secretary B, Registrar; Lillian Brillhart, clerk A, Undergraduate Studies; Kim Evancho, secretary B, Administrative Services; Connie Fisher, secretary B, Printing and Communication Services; Linda Greif, steno A, Publications; Ruth Kilhofer, communication secretary B, Commonwealth Campuses; Kathleen Matson, secretary B, Nutrition; Jo Anne Mengle, secretary B, Agriculture; Wanda Nymen, secretary B, Agriculture; Shirley Rhoades, secretary B, Continuing Education; Elizabeth Richenderfer, head telephone operator, Telephone Services; Linda Schillings, secretary B, Physical Plant; Geraldine Slear, secretary B, Sponsored Programs; Sharon Tate, secretary B, Agriculture; Sandi Wallace, secretary B, Science; and Holly Wheelock, secretary B, President's Office.

Twenty-one University employees recently completed a course in Basic Supervisory Management. They were:

Patricia Alters, secretary B, Dairy and Animal Science; Kathy Barr, secretary B, Agriculture; Sharyn Bowerson, secretary B, Business Administration; Jean Boyd, promotion specialist, Continuing Education; Jane Cartwright, secretary B, Continuing Education; Leah Curling, secretary A, Agriculture; Debbie Deao, secretary B, Engineering; Diane Garner, library assistant, Libraries; Brenda Grenoble, secretary C, Electrical Engineering; Margo Groff, clerk typist A, Political Science; Michael Kalbaugh, industrial service officer, Instructional Services; Ann McMullin, administrative assistant, Liberal Arts; Gillian Roland, library assistant, Libraries; Jean Selvaige, secretary B, Planning and Budget; Janet Snyder, secretary A,

Intercollege Research Programs; Sharon Symanovich, clerk steno A, Aerospace Engineering; Ardell Tyson, associate records officer, Registrar; Brenda Wagner, secretary C, Engineering; Deborah Weidhass, budget clerk, Education; Jean Witmer, acquisition searcher, Libraries.

Graduates of the Basic Supervisory Management Course who recently completed the Supervisory Management II Course were:

Charles Auker, operations supervisor, Computer Center; Douglas Bierly, senior analyst, Planning and Budget; Rose Ann Bobak, secretary, Planning and Budget; Carolyn Fishburn, administrative assistant, Liberal Arts; E.B. Filtzgerald, manager, Housing and Food Services; Marie Frey, senior clerk, Continuing Education;

Myrtle Getz, associate supervisor, Housing and Food Services; Melvin Grishlager, senior designer, Applied Research Lab; John Harbach, assistant supervisor, Continuing Education; Dorothy Hersherberg, cataloging supervisor, Patten Library; Robert Hess, manager, Housing and Food Services; Oscar Jones, assistant supervisor, Housing and Food Services;

Russell Kline, supervisor, Management Services; Clyde LeFever Jr., supervisor, Management Services; John Meredith, supervisor, Continuing Education; Gary Miller, coordinator, Continuing Education; Paul Parsons, manager, Agriculture; Kenneth Ruhl, expeditor, Applied Research Lab; Thomas Seiler, supervisor, Continuing Education; Susan Steinmeyer, coordinator, Continuing Education.

Promotions

Faculty

Stanford M. Lembeck to assistant professor of rural sociology extension.

Staff Exempt

Brian C. Clark to coordinator for veteran affairs in Student Affairs. Gary W. Potter to administrative aide in Human Development.

Clerical

Linda W. Duncan to secretary B at Hershey. Linda Gnuhn to secretary B in Earth & Mineral Sciences. Lois M. Hennigh to clerk, statistical A in Agriculture. Pamela M. Marcon to secretary B in Human Development. Jeannie E. Peters to customer service clerk A in Penn State Bookstore.

Technical Service

Emma T. Frank to residence hall preventive maintenance worker in Housing & Food Services. Michael P. Monahan to TV studio operator in Physical Plant. Paula G. Strine to animal caretaker A at Hershey. John Timko to maintenance mechanic B at Hazleton.

Retirements

Nevin Bailey, a janitor foreman in the Physical Plant, retired in October after 17 years of service with the University. Mr. Bailey joined the University staff in 1962 as a night janitor. In less than a month he became group leader-janitor. A 1969 promotion brought him to the position of janitor foreman, responsible for supervising 30 to 37 janitorial workers at 10 buildings. Mr. Bailey and his wife, Dorothy, live in Madisonburg. They have two sons and three grandchildren.

Ida Gates, a poultry processor and helper in the College of Agriculture, retired Oct. 17. She had been a member of the staff since May 26, 1961.

Campus Update

The DuBois Campus' new symphonic carillon has been dedicated in honor of Donald S. Hiller, Campus director emeritus, for his 37 years of service to the University.

The Hiller Carillon, situated in the Campus auditorium, was made possible by financial support from the Office of Gifts and Endowments, the DuBois Educational Foundation, and the DuBois Campus Alumni Society.

The Schuylkill Campus library has received a private collection of books and publications on the Pennsylvania Germans. Donated by Edward G. Fox, president of the Campus Advisory Board and a Distinguished Alumnus of the University, the books will be catalogued as a special collection. The books will be of particular value to students enrolled in Prof. Earl C. Haag's course on Pennsylvania German language and culture.

Construction of the "gateway" to the Delaware County Campus is expected to get underway shortly. The gateway, a masonry wall with large aluminum letters, is being financed by contributions from the Office of Gifts and Endowments, money raised from a Campus phonathon, funds contributed by the Undergraduate Student Association, and other gifts from alumni and friends.

The Schuylkill Campus has received a \$29,637 vocational education grant from the Pennsylvania Department of Education. The grant will be used for a proposal developed by Dr. Arthur Marsicano, associate professor of engineering, entitled "Minicomputer, Microprocessor and Advanced Digital Electronics Skill Development Program." The grant, to be matched by the Campus, will permit the addition of new equipment and several new courses which will apply to both electrical engineering technology and the computer science programs.

Obituaries

Raymond J. Anderson, an engineering aide in the Applied Research Laboratory from 1946 until his retirement in 1969, died Oct. 20. A native of Des Moines, IA, he was 71 years old.

James S. Willhide, a shift supervisor for Environmental Health Services at Hershey, died Nov. 7 at the age of 58. He had been employed at the Medical Center since 1971.

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Ag awards 25-year chairs to 23 faculty, staff members



Robert F. Hutton, assistant dean for research, assistant director of the Agricultural Experiment Station, and professor of farm management.

Above, from left: Guy W. McKee, professor of agronomy; Robert F. Gentry, professor of veterinary science; John H. Ziegler, professor of meat science; Mark D. Shaw, associate professor of agricultural engineering; George Bubash, instructor in veterinary science; and Emery Keck, Jr., instructor in animal science.

Cooperative extension staff in photo at right are, from left, Russell C. Seward, senior extension agent, Centre County; Helen E. Bell, professor of home management extension; Frederick A. Hughes, professor of farm management extension; William R. King, senior extension agent, Armstrong County; Bernard L. Wingert, extension agent, Warren County; William M. Carroll, professor of agricultural economics extension; Betty M. Heinbach, extension agent, Lehigh County; Mary K. Lockhoff, senior extension agent, Montour County; and Garner P. Mitchell, extension agent, Potter County.



Four members of the faculty and staff in the Department of Agricultural Economics and Rural Sociology received 25-year awards. They are pictured above in photo at left. From left, Frederick A. Hughes, professor of farm management extension; Theola F. Thevaos, research assistant; Loretta S. Dolan, secretary B; and William M. Carroll, professor of agricultural economics extension.

Above, from left, Albert R. Lutz, Egg Room operator, poultry processor; Mary N. Long, assistant supervisor, Soil and Forage Testing Laboratory; Harry F. Riling, farm machinery operator A; and John A. Lucas, Administrative Services assistant.

Agriculture Dean James M. Beattie, shown at right in photo at left, presided over the 25-year service award ceremonies held Nov. 2. He is presenting award to Gordon D. Walker, associate extension agent in Mifflin County.



Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 668-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Nov. 21, 1979. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

LIBRARY ASSISTANT — Altoona Campus — Supervise part-time and student personnel; oversee all aspects of the circulation process; perform limited reference and readers' advisory work; coordinate book reserves; instruct students in use of the library; organize and maintain periodical collection; prepare statistical reports; control operations of the library in the absence of the campus librarian. Two years of college desirable and one year of effective experience, preferably in library work.

ASSISTANT DIRECTOR, OFFICE OF GIFTS AND ENDOWMENTS — SENIOR VICE PRESIDENT FDR ADMINISTRATION — Hershey — Responsible to the Director, Office of Gifts and Endowments at The Milton S. Hesthey Medical Center. Position involves assisting in all phases of the fund raising program at the Medical Center. More specifically, the position involves the development, design and writing of fund raising materials; serving as a liaison to outside organizations; conducting special event benefits for the Medical Center; attending and speaking at community events; assisting in the supervision of the gift processing/acknowledging/recording/reporting system for private gifts and performing other such duties as assigned by the director. Bachelor's degree or equivalent in business administration, liberal arts or related field, and from one to two years of effective experience. Skills in communication and public speaking are essential.

JUNIOR COMPUTER OPERATOR, COLLEGE OF MEDICINE — Responsible to the Hospital Director in processing jobs in the computer system and operate the computer under the direction of the Operator and/or Operations Supervisor. High school graduation and one year of experience in use of unit record or similar equipment or equivalency.

ASSISTANT HOSPITAL DIRECTOR/DIRECTOR OF NURSING SERVICES, COLLEGE OF MEDICINE — Hershey — Responsible to the Hospital Director for defining the philosophy, goals, and objectives of the Department of Nursing Services, and the overall management of nursing services to meet the established objectives of optimum and individualized nursing care to all patients. Provide immediate direction and guidance to assistant directors, patient unit coordinators, and nursing care coordinators in the department. Graduate of an accredited school of nursing, master's degree in nursing administration or a clinical specialty or equivalent, and 8-6 years of effective administrative experience.

ASSISTANT TO THE DIRECTOR OF KERN GRADUATE COMMONS, GRADUATE SCHOOL, UNIVERSITY PARK — Responsible for the Graduate Commons Art Gallery. Assist in maintaining active musical, dramatic and theatrical programs. Develop publicity coverage for scheduled events and maintain building security during events. Supervise and schedule evening and weekend personnel. Maintain liaison with segments of the University community who may offer social, cultural and other co-curricular programs. Bachelor's degree or equivalent, preferably in art education or fine arts. Experience in arts and/or gallery management and college union activities highly desirable.

There are positions in certain work units that, because of the large number of such positions, frequently are still available after employees in the work unit have been considered. They are listed below and will not be listed on an individual vacancy basis. Application for such positions may be made at any time, and you are welcome to make your interest known now to the Employment Division for future consideration when such vacancies occur. These positions are:

POSITION TITLE	LOCATION
Applications Programmer/Analyst	Management Services
Assistant Coordinators	Student Affairs
Assistant Food Supervisors	Housing and Food
Computer Operators	Intercollege Research Programs
Nutrition Assistants	Agriculture Extension (various counties)
Programmers	Management Services
Residence Hall Area Coordinators	Student Affairs
Cardiology Technicians	Hershey
Clinical Laboratory Assistants	Hershey
Clinical Laboratory Technologists (HEW)	Hershey
Critical Care Monitoring Technicians (Jr. & Sr. Levels)	Hershey
Cryo-Technologists	Hershey
Licensed Practical Nurses	Hershey
Medical Technicians (CLIA, MLT, CLT-HEW)	Hershey
Nuclear Medical Technicians	Hershey
Perfusionists	Hershey
Pharmacists	Hershey
Physical Therapists	Hershey
Physician's Assistants	Hershey
Psychiatric Assistants	Hershey
Radiology Technicians	Hershey
Research Technicians	Hershey
Respiratory Therapy Technicians	Hershey
Staff Nurses	Hershey



Jane and Joe Wyda get set to tackle fall cleanup.

Wilkes-Barre Campus couple share maintenance job

A husband and wife have teamed up to help keep the grounds and buildings of Penn State/Wilkes-Barre at their best and brightest.

Jane and Joe Wyda, of Sweet Valley, are both members of the maintenance crew at the Campus. When Stan Sowa retired as a maintenance worker earlier this year, Jane Wyda took over his duties, and Joe moved into her husband's position. Prior to that, Jane had worked at the Campus evenings cleaning the Hayfield House, a former private mansion which is now

Wilkes-Barre's largest building.

The Campus occupies a 50-acre estate; and ever since moving to the Lehman site a decade ago, the staff at Wilkes-Barre has tried to keep the house and grounds as attractive and just as much of a scenic asset to the Back Mountain as they were under private ownership.

Much of the credit for doing this belongs to the maintenance staff under the supervision of Jeff MacMillan, business manager, and Al Miller, maintenance foreman.

Joe Wyda has been a member of the maintenance crew for six years. He previously worked as a mechanic at a garage in Plymouth, but that garage, and his job, were flooded out by Tropical Storm Agnes.

Jane joined the Campus staff four years ago. Her principal assignments now involve tasks previously performed by men. She drives various Campus vehicles, including a snow plow and a leaf sweeper. She also drives a grass cutter over those 50 acres of lawn.

Calendar Nov. 15-29 Special Events

Thursday, Nov. 15
Final examinations.
Early registration for Winter Term, through Nov. 16, 8:30 a.m.-4:30 p.m., Room 112 Shields.

Commons Videotape, "TV Quarterbacks," noon, Kern Lobby.
Board of Trustees meeting, Keller Bldg.

Friday, Nov. 16
Final examinations.
Board of Trustees meeting, Keller Bldg.

Saturday, Nov. 17
Sports: football, vs. Temple, 1:30 p.m.; exhibition basketball, "Athletes in Action," 8:10 p.m.
Residence Halls close for Fall Term, 3 p.m.

Artists Series, Johnny Cash Concert, 7:15 and 9:30 p.m., Eisenhower Auditorium.

Monday, Nov. 19
Fixed date for meetings involving Commonswealth Campus faculty.
Color Slide Club meeting, 7:30 p.m., Room 189 MRL.

Tuesday, Nov. 20
Fixed date for meetings involving Commonswealth Campus faculty.

Sunday, Nov. 25
Residence Halls open for Winter Term, 10 a.m. Fall Term Commencement, 1:30 p.m., Rec Hall.

Monday, Nov. 26
Study Space assignments in Pattee, from 7:15 a.m., Room 106 Central Pattee. First come, first served for 33 spaces.

Tuesday, Nov. 27
Registration for Winter Term, 8 a.m.-5 p.m., IM Bldg.

Wednesday, Nov. 28
Registration for Winter Term, 8 a.m.-5 p.m., IM Bldg.

Thursday, Nov. 29
Winter Term classes begin, 8 a.m.
University Resident Theatre Company (URTC), Hart/Kaufman, You Can't Take It With You, 8 p.m., The Pavilion Theatre.

Seminars

Monday, Nov. 19
Computation Center, Beginning FORTRAN Workshop, 9 a.m., all day. Also Nov. 20, 21, 26 and 27, Room 112 Walker.

Microbiology, Cell Biology, Biochemistry and Biophysics, Walter R. Guild, Duke University, on "Transfer of Drug Resistance in Pneumococcus: Transformation and Conjugation," 4 p.m., Room 101 Althouse.

Tuesday, Nov. 20
Microbiology, Cell Biology, Biochemistry and Biophysics, Walter R. Guild, Duke University, on "DNA Processing in Pneumococcal Transformation," 11 a.m., Room 101 Althouse.

Agricultural Engineering, Gene C. Shove, Univ. of Illinois, on "Using Solar Energy in Agriculture," 4 p.m., Room 248 Eng. Bldg.

Thursday, Nov. 29
Chemistry, Paul A. Grieco, Univ. of Pittsburgh, on "Recent Advances in Natural Product Total Synthesis," 12:45 p.m., Room 333 White.

Economics/Institute for Policy Research and Evaluation, Michael Wasylenko, economics, on "The Empirical Models and Demand for Local Public Goods," 2 p.m., Room 101 Kern.

Physics, A. Rahman, Argonne National Lab., on "Homogeneous Nucleation in Monatomic Systems," 3:50 p.m., Room 445 Davey.

Changes in Bond Program to be made in 1980

The U.S. Treasury recently announced changes in the Bond Program to become effective in January 1980.

These changes will be incorporated into the University's Payroll Savings Plan on Jan. 2, 1980. The campaign in 1980 will be based upon these changes.

Highlights of the 1980 changes are: — "EE" Bonds will replace "E" Bonds — Smallest denomination of "EE" Bonds

will be \$50 and will be purchased for \$25 — (\$100 Bond will cost \$50, etc.) — "EE" Bonds will be kept for least six months before redemption.

The interest rate of 6 1/2% for five or more years will not change.

"EE" Bonds will mature in 11 years. "EE" Bonds pay 6 1/2% interest when held for five years or more, up to 11 years. At that time the bond doubles in value.

Payroll Deduction Chart	Payroll Deduction	Number of Deductions	Total Cost of Bonds	Bond Value	Bond Denominations		
					First Bond	Second Bond	Third Bond
	\$ 2.50	10	\$ 25	\$ 50	\$ 50		
	5.00	5	25	50	50		
	6.25	4	25	50	50		
	12.50	2	25	50	50		
	25.00	1	25	50	50		
	37.50	1	37.50	75	75		
	50.00	1	50	100	100		
	75.00	1	75	150	50	\$100	
	100.00	1	100	200	200		
	125.00	1	125	250	50	200	
	150.00	1	150	300	100	200	
	175.00	1	150	350	50	100	\$200
	200.00	1	200	400	200	200	
	225.00	1	225	450	50	200	200
	250.00	1	250	500	100	200	200
	300.00	1	300	600	200	200	200

A separate information packet will be distributed to each employee presently participating in the bond program.

Penn State Intercom

Faculty, staff asked to conserve heat by shutting windows

Faculty and staff members and students have been asked by Ralph E. Zilly, vice president for business and chairman of the Executive Energy Conservation Committee, not to leave the windows of campus buildings open.

"This is a particularly costly oversight by building occupants," Mr. Zilly said.

"On a reasonably calm winter night, when the outside air temperature is 35 degrees, one window left open six inches will lose heat costing approximately \$15.

"That example is based on a building with a very simple ventilation system; most of our systems are more complex and, depending on the building, the \$15 loss per window could easily become \$30."

Often more than one window is left open in a building, causing heat losses to rise proportionately. Assuming, for example, that five windows are left open in each of 100 buildings, the loss would amount to at least \$7,500 per night.

"That's a very conservative example," Mr. Zilly said. "There are approximately 200 principal buildings at University Park and roughly the same number at all other locations."

Windows are often opened because of overheating, which, in turn, is caused by a factor or misadjusted control.

"The proper remedy is to report the problem to the Physical Plant Service Desk at University Park or to the appropriate office at other locations," Mr. Zilly said.

Senate passes three pieces of legislation

Actions taken by the University Faculty Senate at its Nov. 13 meeting included:

— Passing legislation to allow the Director of the Office of Foreign Studies to authorize the taking of courses abroad on a Pass-Fail basis. According to the legislation, "Courses abroad may not be taken under the Pass-Fail grading system except in highly unusual circumstances and then only with the advance (that is, during the preceding term) authorization of the Office of Foreign Studies.

— Passing legislation to give students in the Developmental Year Program the same consideration as those scheduling Basic Skills courses. Students could use credits earned in English 1D, English 4, Math 0 and Math 1 in their cumulative grade point average and as part of the total credits earned toward a baccalaureate degree. The legislation also states that these credits "shall not substitute for the minimum program requirements designated under the categories of 'Baccalaureate Degree Requirements,' 'Requirements for the Major,' 'Requirements for the College,' and 'Electives.'"

In the case of an associate degree, these English and mathematics credits would count among the total credits earned toward graduation but would not substitute for minimum program requirements unless approved by the program faculty.

— Agreed to a request from the College of Medicine and the Hershey Medical Center that "authority for course approval for those courses taken by medical students in the Medical Curriculum (700-level courses) shall be vested within the

(Continued on page 8)

The Challenge of the '80s

Editor's Note: This article is the eighth in a series in which the academic deans reflect on what lies ahead for their colleges in the '80s.

Three themes recur when Dean Eugene J. Kelley talks about the College of Business Administration in the '80s.

"Our basic responsibility in the future as in the past," he says, "is to provide a quality educational experience for Penn State students — specifically, in our case, for careers in management. Recognizing that the environment is changing rapidly, how should we prepare students to anticipate, adjust and cope creatively with an accelerating rate of change?"

Because the task of meeting this goal is beyond the reach of any one college, a second theme emerges — the need to increase interaction between CBA faculty members and programs and other elements of the University system.

Finally, because business is part of society, business colleges must also reach out for broader insights and new partnerships in the public and private sector. "We cannot expect to repeat what we did in 1979 in 1984," Dean Kelley says. "Traditional approaches to the curriculum will not be effective."

These three themes are providing a general philosophical framework to guide



Dean Kelley

CBA planning. Their implications are being discussed and implemented in such areas as undergraduate and graduate education, faculty development, external relations and executive education.

(Continued on page 7)

\$100,000 Auditing Professorship given by Price Waterhouse

The College of Business Administration has been awarded \$100,000 for the establishment of a Price Waterhouse Auditing Professorship.

Dr. Mark W. Dirsmith, assistant professor of accounting, is the newly appointed faculty associate of the professorship. He was named by CBA Dean Eugene J. Kelley.

At a recent ceremony, the award was accepted by Robert A. Patterson, senior vice president for finance and operations at Penn State. David W. Christopher, partner-in-charge of the Pittsburgh office of the public accounting firm of Price Waterhouse & Co., made the presentation.

"This is the most significant project ever undertaken by the Price Waterhouse Foundation," Mr. Christopher said. "The professorship has been established in response to the firm's continuing interest in the education of accounting students."

"The program is designed to strengthen the auditing portion of the accounting curriculum. Our support will consist of salary supplement plus other projected expenses amounting to \$100,000 over the next five years."

Mr. Christopher said the professorship will provide an opportunity to innovate and experiment with auditing course content and to develop new approaches to its teaching. The program is expected to

(Continued on page 8)

From the Trustee Docket

Record number enrolled in Fall

A record-high 53,967 students were enrolled in resident instruction programs during Fall Term, an increase of 1,166 over 1978.

Of the total Penn State figure, 31,961 were enrolled at University Park. Commonwealth Campus enrollment of 16,814 — up by 825 — were also a record high. Enrollment records also were set at Behrend College, the College of Medicine in Hershey and five individual Commonwealth Campuses — Allentown, Altoona, Hazleton, Ogontz and York.

Three new programs set up

Three new academic programs are being instituted at the University, but they will require no additional funding since they will use existing courses and facilities.

In the College of the Liberal Arts, a women's studies option will be offered to students who want to combine existing courses in women's studies with an appropriate major. Three credits of prescribed courses and 18 credits from an approved course list will be required for the option.

Students also will be expected to design and complete individual projects in the field of women's studies. The program will not be intended to isolate women's studies, but to combine them with appropriate other academic disciplines.

In the College of Science, an electrical engineering option will be instituted in the physics major. In addition to general degree requirements and electives, that option will include 52 credits of prescribed

(Continued on page 8)



Dr. Fred Feldman, research associate, makes an adjustment to Penn State's new 62-inch telescope — the largest east of the Rockies. It will be used by members of the Department of Astronomy to study the centers of galaxies to try to understand mysterious sources of energy that have been seen there; to learn more about the sun by studying stars similar to it; and to study stars that vary rapidly in light output. Looking on is graduate student Vicki Balzan.

Penn Staters



James M. Elliott, director of personnel relations, recently received his 25-year chair from the University.

A 1954 graduate in psychology from Penn State, Mr. Elliott began working as a personnel assistant in the University's employment division soon after graduation.

In 1955, he was promoted to supervisor of the employment division and was in charge of the complete staffing of the newly built HUB. In 1967, he became manager of employee relations; in 1971, he assumed his present position.

Mr. Elliott's responsibilities include overseeing and providing services on personnel matters for all of Penn State's campuses. He also represents the University in collective bargaining with units of organized labor.

He has recently been appointed vice president for professional development of the College and University Personnel Association (CUPA), an organization of personnel professionals in more than 800 institutions of higher education in the United States and Canada.

Appointments

Capitol

J. Blaine Stong as assistant professor of engineering. B.S.C.E., U. of Penn.; M.S.E.H.E., U. of Kansas. Formerly associate professor, Harrisburg Area Community College.

DuBois

Nancy J. Hoffman as associate professor of history. B.A., M.A., San Diego State U.; Ph.D., U. of California-Santa Barbara. Formerly teacher, Sacred Heart Academy-San Diego; instructor, Kauai Community College-Lihue, Hawaii.

Hershey

Siegfried Streufert as professor of behavioral science. A.B., M.A., Southern Methodist U.; Ph.D., Princeton U. Formerly resident scholar, NIH; chair professor, U. Bielefeld.

Mckeesport

Stephen P. Tubb as assistant professor of engineering. B.S., U. of Wisconsin; M.Sc., Heriot-Watt U., Scotland. Formerly engineer, Tippin Machinery Co., L.K. Comstock Co.; visiting professor, Purdue U.

Mont Alto

Timothy P. Donovan as assistant professor of mathematics. B.S., Regis College; M.A., U. of Oklahoma; Ph.D., U. of Colorado. Formerly assistant professor, Metropolitan State College, Denver, and Regis College. Carol F. Kesler as assistant professor of English. B.A., Swarthmore College; A.M., Harvard; Ph.D., U. of Penn. Formerly lecturer, U. of Penn. Beaver College, assistant professor, Drexel U.

New Kensington

Glenn L. Keldsen as assistant professor of chemistry. B.S., Antioch College; M.S., Ph.D., U. of Mass.-Amherst. Formerly temporary assistant professor, Kansas State U.; assistant professor, Clarion State College. Mary Strauss-Noll as assistant professor of English. A.B., Carle College, Pittsburgh; M.A., Ph.D., U. of Pittsburgh. Formerly assistant professor, PSU-Beaver.

David M. Wells as assistant professor of mathematics. B.A., U. of Penn.; Ph.D., U. of Pitt. Formerly assistant professor, Ohio Dominican College. Paul F. Clark as instructor of labor studies. B.A., Bucknell U.; M.S., Cornell U. Formerly extension associate, Cornell U.; research associate, Labor Relations, Ithaca, NY.

Ogontz

Patricia L. Clayton as instructor of health, physical education and recreation. B.S., Penn State; M.Ed., Trenton State College. Formerly department head, St. Basil Academy, Philadelphia.

Martha M. Dooley as instructor of health, physical education and recreation. B.S.N., U. of Maryland. Formerly registered nurse, Staff Builders, Inc., Philadelphia.

Schuylkill

Stephen R. Couch as assistant professor of sociology. B.Mus., M.A., Oberlin College; Ph.D., S.U.N.Y.-Binghamton. Formerly research coordinator/social science analyst, Smithsonian Institution Research Institute on Immigration & Ethnic Studies; lecturer, George Mason U.

Shenango Valley

Mary L. DeJong as assistant professor of English. B.A., Central College, IA; M.A., Winthrop College, SC; Ph.D., U. of South Carolina. Formerly teacher, Fort Mill High School, Fort Mill, SC.

Albert L. Ingram III as assistant professor of psychology. B.A., Columbia U.; M.A., U. of Pitt. Formerly instructor, U. of Pitt.

Thomas M. Pamparoy as assistant professor of physics. B.Sc., M.Sc., S.B. College, Changanchang-Kerala, India; B.D., Lateran U.; Rome; M.S., U. of Louisville; Ph.D., Fordham U. Formerly assistant professor, Sam Houston State U.

Martin Joseph Schultz as assistant professor of sociology. B.A., M.A., Eastern Illinois U. Formerly lecturer, Southern Illinois U. (New M. School) as assistant professor of engineering. B.E.E., Ohio State U.; M.Ed., Penn State. Formerly instructor, Penn State.

Douglas R. Wilmes as assistant professor of English. B.A., U. of Connecticut; A.M., Ph.D., U. of Penn. Formerly assistant professor, Alliance College.

University Park

Agriculture

Peter Labovsky Jr. as associate professor of wood science and technology. B.S., Rutgers U.; M.S., Ph.D., Virginia Polytechnic Inst. & S.U.

Formerly associate professor, Clemson U. Nancy S. Pearson as research assistant in plant pathology. B.A., Earlham College; M.S., Louisiana State U. Formerly research assistant, PSU.

Arts and Architecture

Hamid Shirvani as assistant professor of architecture and urban design. B. Arch., Polytechnic of Central London; M. Arch., Pratt Institute; M.S., Rensselaer Poly. Inst., M.A., Harvard U.; Ph.D. candidate, Princeton U. Formerly design planner, Copeland, Novak & L.M., N.Y.C.

Jerome F. Holway as instructor of film. B.A., Cornell U.; M.A., Northwestern U.

Business Administration

Daniel J. Brass as assistant professor of organizational behavior. B.A., M.A., Ph.D., U. of Illinois.

Barbara G. Grisar as assistant professor of organizational behavior. B.S., U. of Dayton; Ph.D., Case Western Reserve U. Formerly adjunct assistant professor, Ursuline College. Arnold J. Rehans as assistant professor of marketing. B.A., U. of Oregon; M.B.A., U. of Portland; Ph.D., U. of Oregon. Formerly associate, Northwest Management Development Group; lecturer, Portland State U. Joseph Randall Woolridge as assistant professor of finance. B.A., U. of North Carolina; M.B.A., Penn State; Ph.D., U. of Iowa. Formerly visiting lecturer, Cornell College, IA.

Earth and Mineral Sciences

Thomas W. Gardner as assistant professor of geology. B.A., Franklin and Marshall College; M.S., Colorado State U.; Ph.D., U. of Cincinnati. Formerly geologist, Exxon Minerals Co.

Carlo G. Pantano Jr. as assistant professor of materials science. B.S.E.S., Newark College of Eng.; M.E., Ph.D., U. of Florida. Formerly research associate, U. of Florida; adjunct professor, U. of Dayton Research Inst.

Education

David L. Passmore as associate professor of vocational education. B.Sc., State U. College at

Buffalo; M.Ed., Bowling Green U.; Ph.D., U. of Minnesota. Formerly associate professor, U. of Northern Iowa; research associate/assistant professor, National Technical Institute for the Deaf; assistant professor, U. of Massachusetts-Amherst.

Robert J. Hale as assistant professor of education. B.S., M.Ed., Ph.D., U. of Nebraska. Formerly school psychologist, Auburn, NE. Michael E. Scofield as assistant professor of education. B.A., Montclair State College; M.A., Seton Hall U.; Ph.D., U. of Wisconsin. Formerly adjunct instructor, Seton Hall.

Engineering

Claude Dennis Pedgen as associate professor of industrial and management systems engineering. B.S.A.A.E.S., M.S.A.A.E.S., Ph.D., Purdue U. Formerly assistant professor, U. of Alabama-Huntsville.

Robert R. Huber, Jr. as assistant professor of mechanical engineering. B.S., M.S., Ph.D., PSU. Formerly aerospace engineer, WPAFB, Ohio; research assistant, PSU.

Charles L. Merkle as assistant professor of mechanical engineering. B.S., Case Inst. of Technology; M.S., Rensselaer Poly. Inst.; Ph.D., Princeton U. Formerly staff scientist, TRW Systems, Redondo Beach, CA.

Joseph R. Monkowski as assistant professor of electrical engineering. B.S., M.S., Ph.D., Penn State. Formerly research associate, U. of Nijmegen, Netherlands.

Koping Kirk Shung as assistant professor of bioengineering. B.S.E.E., National Cheng-Kung U., Taiwan; M.S.E.E., U. of Missouri; Ph.D., U. of Washington. Formerly research scientist, Institute of Applied Physiology & Medicine, Seattle; research bioengineer, Providence Med. Ctr., Seattle.

Kenneth J. Carroll as instructor of electrical engineering. B.S.E.E., M.S.E.E., U. of Illinois. Formerly instructor, Capitol Institute of Technology, Kensington, MD; electronics engineer, Naval Air Test Center, MD.

Ray J. Lunnell Jr. as instructor of electrical engineering. B.S., U.S. Naval Academy. Annapolis; M.S.E.E., Air Force Inst. of Tech. Formerly colonel, U.S. Air Force.

Health, Physical Education and Recreation

Russell D. Rose as instructor of health, physical education and recreation. B.S., George William College, M.P.E., U. of Nebraska. Formerly instructor, U. of Nebraska.

Robert A. Walker as instructor of health, physical education and recreation. B.S., U. of Maryland; M.S., Ed.D. candidate, West Virginia U. Formerly instructor, W. Virginia U.

Human Development

John R. Hephurn as associate professor of administration of justice. B.A., Butler U.; M.S., U. of Kentucky; Ph.D., U. of Iowa. Formerly associate professor, U. of Missouri.

Carolyn U. Lambert as assistant professor of food systems administration. B.S., U. of Missouri; M.S., U. of Wisconsin; Ph.D., U. of Tennessee. Formerly assistant professor, U. of Delaware, Penn State.

Andrew Muller as assistant professor of health planning and administration. B.A., Maximilian Universität, Munich; M.A., Ph.D., S.U.N.Y.-Binghamton. Formerly post-doctoral fellow, Johns Hopkins U.; director of planning, NY-Penn Health Systems Agency.

Liberal Arts

James Hartigan as assistant professor of economics. B.A., U. of Connecticut; Ph.D., Duke U. Formerly visiting instructor, North Carolina State U.

Rick R. Jacobs as assistant professor of psychology. B.A., U.C.L.A.; M.A., San Diego State U.; Ph.D., U.-C.-Berkeley. Formerly assistant professor, U.C.-Riverside.

Melvin M. Mark as assistant professor of psychology. B.A., U. of Nebraska; M.A., Ph.D., Northwestern U. Formerly instructor, Northwestern U.

Barbara E. O'Keefe as assistant professor of speech communication. A.B., A.M., Ph.D., U. of Illinois. Formerly assistant professor, Wayne State U.

Stephen A. Woodbury as assistant professor of economics. A.B., Middlebury College; M.S., Ph.D., U. of Wisconsin. Formerly research assistant/fellow, U. of Wisconsin.

Richard A. Phillips as instructor of economics. B.A., Old Dominion U.; Ph.D. candidate, U. of N. Carolina. Formerly visiting instructor, U. of North Carolina-Greensboro.

Science

Leonid Vaserstein as professor of mathematics. B.S., Ph.D., Moscow State U.

Nicholas Winnograd as professor of chemistry. B.S., Rensselaer Poly. Inst.; Ph.D., Case Western Reserve U. Formerly associate prof., Purdue U. Wen-Ching W. Li as associate professor of mathematics. B.S., National Taiwan U.; Ph.D.,

U.C.-Berkeley. Formerly assistant professor, U. of Illinois-Chicago.

William J. Mitchell as associate professor of mathematics. B.A., U. of Wisconsin; Ph.D., U.-C.-Berkeley. Formerly guest investigator, Rockefeller U.; assistant professor, Queens College.

Willem A. Baan as assistant professor of astronomy. M.Sc., Ph.D., M.I.T. Formerly member, Inst. for Advanced Study, Princeton. Moses H.W. Chan as assistant professor of physics. B.A., Bridgewater College; M.S., Ph.D., Cornell U. Formerly assistant professor, U. of Toledo; research associate/instructor, Duke U.

Philip R. DeShong as assistant professor of chemistry. B.S., U. of Texas-Austin; Sc.D., M.I.T. Formerly postdoctoral associate, M.I.T.; postdoctoral fellow, Eidgenössische Hochschule, Zurich.

Barbara J. Garrison as assistant professor of chemistry. B.S., Arizona State U.; Ph.D., U.-C.-Berkeley. Formerly visiting assistant professor, Purdue U.; lecturer, U.-C.-Berkeley. Sharon J. Laskowski as assistant professor of computer science. B.S., Trinity College; M.S., M.Phil., Ph.D., Yale U. Formerly research assistant, U. of Arizona.

Don N. Page as assistant professor of physics. A.B., William Jewell College; M.S., Ph.D., Cal. Inst. of Technology; M.A. (postdoctoral), U. of Cambridge, England. Formerly research assistant, U. of Cambridge, Cal. Inst. of Technology.

Ayusman Sen as assistant professor of chemistry. B.Sc., U. of Calcutta; M.Sc., Indian Inst. of Tech., Kanpur, India; Ph.D., U. of Chicago. Formerly research fellow, Cal. Inst. of Technology.

Ross E. Staffeldt as assistant professor of mathematics. B.A., Columbia U.; M.A., Ph.D., U.-C.-Berkeley. Formerly member, Inst. for Advanced Study, Princeton.

University Libraries

Louise M. Garraux as assistant librarian in bibliographic resources and services division. B.S., Allegheny College; M.S., U. of Illinois. Formerly visiting research associate, U. of Ill. Lib. Studies.

Ann L. Highsmith as assistant librarian in bibliographic resources and services division. B.A., Ohio Wesleyan U.; M.A., U. of Virginia; M.L.S., U. of Arizona. Formerly library assistant, U. of Arizona Libraries.

Intercollege Programs

Steven Deutsch as research associate, Applied Research Lab. B.S., Polytechnic Inst. of Brooklyn; M.S., Ph.D., PSU. Formerly aerospace engineer, U.S. Dept. of Commerce; Lockheed Georgia Co.

Michael C. Brophy as research assistant, Applied Research Lab. B.S., Drexel U.; M.S., PSU. Formerly mechanical engineer, DTNRC.

William J. Burkhard as research assistant, Applied Research Lab. B.S., M.S., Penn State. Formerly senior engineer, Locus Inc., State College.

Kent E. Eschenberg as research assistant, Applied Research Lab. B.S., Miami U.-Oxford, OH.

Robert J. Moser as research assistant, Applied Research Lab. B.S., Gannon College; M.S., PSU. Formerly staff engineer, Locus Inc., State College.

Charles M. Palmer as research assistant, Applied Research Lab. B.S., U. of Colorado. Formerly senior engineer, Locus Inc., State College.

Shirley D. Sharer as research assistant, Applied Research Lab. B.S., Juniata College. Formerly associate system representative, assoc. eng. technician, RCA Corp.

York

Glenn C. Begly as instructor of physical education. B.A., U. of Maryland; B.S., Towson State U.; M.S., Penn State.

Obituaries

Walter Couto, professor emeritus of sociology, died Nov. 2 at the age of 85. Dr. Couto, a pioneer in the use of television in the classroom, was a faculty member from 1944 to 1964.

James H. Kustenbender, a member of the University's staff from 1954 until his retirement last May, died Nov. 14. He was 48 years old. Mr. Kustenbender, an estimator-inspector at his retirement, had previously worked as an electrical and mechanical foreman, electrical foreman, electrical, electrical maintenance man, and maintenance man, all with the Office of Physical Plant.

Christmas shopping made easy

Gifts you can purchase without leaving University Park

Christmas shopping can be the worst part of the holiday — crowded stores and no ideas for what to buy all the people on your list.

It's possible, however, to do some painless and productive shopping without even leaving University Park. So to make life a little easier, here is a list of places on campus with gift suggestions.

The Museum of Art

For someone who has everything or likes the unusual, the Museum of Art's gift store, located in the Visual Arts Building, is the place to visit. Hours are noon to 5 p.m., Tuesday through Sunday. Closed Monday.

- hand-carved cookie molds (\$3.50-\$6.50)
 - sandalwood fans from Hong Kong (\$3)
 - carved wooden letter openers from Kenya (\$1.50)
 - hand-woven shoulder bags from Afghanistan (\$17)
 - Japanese paper wallets (\$3)
 - sheepskin purses from India (\$2)
 - carved wooden sculptures from Indonesia (\$10 and up)
 - designer pot holders (\$2.50)
- The Museum also offers many inexpensive gifts for children:
- kaleidoscopes (\$2.20 and \$4.50)

- hand-embroidered cloth in India (\$20)
- For music lovers, the Museum suggests:
- an Appalachian dulcimer (\$85)
 - soapstone whistles from China (\$1.10)
 - flutes from China (\$1)
 - bells (all sizes, 70¢ and up)
- Art lovers, of course, will be the easiest to please here. For them, the Museum has:
- books on art, crafts, photography, stenciling, quilting, pottery, woodcarving, macrame, costumes, design, etc.
 - original prints from the Associated American Artists of New York. Examples: original Daumier lithograph (\$30), original Renoir etching (\$60). Some are restrikes.
 - fine art reproductions (\$2 and up)
 - porcelain vases (\$6.50 and up)
 - reproductions of Pennsylvania Dutch Redware plates (\$6 and up)
 - framed quilt patches (\$25)
 - wall hangings from Bolivia, Peru, Colombia and Hungary (\$16 and up)
 - art print notecards (\$1.75 and up)
 - Royal Copenhagen porcelain (\$6.50 and up)
 - Russian designs of straw inlaid in wood (\$17)

Alumni Association

Gifts for a graduating senior, a Penn State alum or just a Penn State fan are available through the Alumni Association.

- a Nittany Lion replica (Alvaston statuette, from a mold made and signed by Lion Shrine sculptor, Heinz Warneke) can be had for \$16. It also comes on a walnut base for \$32.
- Two Penn State chairs are also on sale: a Boston rocker for \$81 and an armchair for \$94. Both are satin-finish black with gold trim and the University seal.
- Alumni Association memberships are also available for \$10/yr. entitling members to receive The Penn State Magazine, the Football Letter and College/Campus newsletters. Associate memberships are also accepted for non-alums, entitling the member to the same privileges except that they are excluded from voting for alumni trustees and running for office. These memberships are also \$10.

Penn State Bookstore

The Penn State Bookstore will be holding its annual pre-Christmas sale from Dec. 17-Dec. 21 at each of its three stores on



Nutcracker from Museum shop.

Cut flowers are also available:

- roses (\$8/dozen or 70¢/stem)
 - carnations (\$8/dozen or 70¢/stem)
- The Greenhouse Sales Room will be open until Dec. 21, Monday through Friday from 10 a.m. to 4 p.m.

The Penn State Press

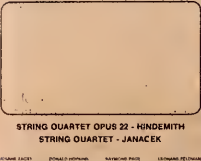
The Penn State Press has a number of gift suggestions. All of their books will be 20 percent off to any faculty or staff member. In addition, the following books have special Christmas discounts:

- *A Pennsylvania Album: Picture Postcards, 1900-1930* by George Miller. This is a fascinating compilation of 270 photographs of everyday life in cities and towns throughout the Commonwealth between 1900 and 1930. Each photo is accompanied by a short, explanatory caption. (Regularly: \$10.95/paper, \$18.75/cloth. Sale price: 25 percent discount)
- *Pennsylvania 1776* is a vivid portrayal of life as it really was in Pennsylvania at the time of the Declaration of Independence. (Regularly: \$15. Sale price: \$10)
- An inexpensive, authoritative book of interest to both amateur and professional bird watchers is *A Guide to North American Hawk Watching* by Donald S. Heintzelman. It includes detailed information on identification, where to find lookouts and suggestions for further reading. (Regularly: \$12.95/cloth, \$6.95/paper. Sale price: 25 percent discount)
- Three publications focusing on rural and small town handicraft industries that flourished in Pennsylvania during the 18th and 19th centuries are: *Central Pennsylvania Redware Pottery, 1780-1904*; *Made of Mud: Stoneware Potteries in Central Pennsylvania, 1831-1929*; and *Willow, Oak and Rye: Basket Traditions in Pennsylvania*. Jeanette Lasansky is the author and researcher. (Regularly: \$7.95 each. Sale price: 25 percent discount)

(Continued on page 8)

The Alard Quartet

in residence at the Pennsylvania State University



Above: Alard Quartet's new record.

At right: Pre-Colombian replicas of a hunter and marriage couple at Museum shop.

- piggy banks from Mexico (\$1.25)
- mindbending puzzles (\$1.25-\$2)
- wooden carousel (miniature) made in Germany (\$5.50)
- mini-animals and birds from India (25-50¢)
- mini-paint box (with real paints) (\$6)
- Mexican jumping jack toys (\$1)
- finger puppets (\$1.25)
- paper kites from People's Republic of China (\$2)
- teddy bears (\$3)
- soft sculpture doll kits (\$5.75)
- coloring books with unusual themes (\$1.50)
- Chalk stuffed elephants made from



Russian design plaques of straw inlaid in wood at Museum shop.

- handmade ceramic artifacts designed by Benedictine Monks (\$6.60 and up)
- woven baskets (all sizes, 40¢ and up)

Holiday items on sale at the Museum include:

- Christmas cards (\$2/box and up)
- wrapping paper (85¢ and up)
- ornaments (75¢ and up)
- a wooden soldier nutcracker (\$13.75)
- art calendars from the Metropolitan Museum of Art, the National Gallery and the Smithsonian Institute (\$4.75 and up)

When you go to the Museum of Art store, plan on spending some time there. Though small, the shop has an amazing variety of items from all over the world — and the reasonable prices will pleasantly surprise you.

If musical instruments are not quite right for that music-loving friend, why not consider a record album made right here at Penn State?

Alard Quartet

- "The Alard Quartet Playing Quartets by Hindemith and Janacek," a brand new record, is on sale in Room 105 Music Building or the Museum of Art for \$7.

Blue Band

- The Blue Band offers "The Penn State Blue Band" album for \$7. It is on sale in Room 217 Chambers Building or at the Penn State Bookstore.

Glee Club

- The Penn State Glee Club invites you to enjoy "The Penn State Glee Club in a Program of Pennsylvania Music: 90th Anniversary Concert." That album is available in Room 232 Music Building for \$6.

campus. All items will be 20 percent off (except for textbooks, calculators, magazines and candy), and Christmas items, including Christmas cards and wrapping paper, will be reduced 40 percent.

The Creamery

A cheese connoisseur would be delighted to receive a gift from Penn State's own creamery. Gift boxes of delicious cheeses will be on sale (in a range of prices) after Dec. 1. Penn State University cheese cleavers and cutting boards will also be available (\$3 and \$9, respectively). Creamery hours are 7:30 a.m.-5:30 p.m., Monday through Saturday and 10 a.m.-5:30 p.m., Sunday.

Greenhouses

The Horticulture Department will present a Christmas Show on Sunday, Dec. 9, from noon to 4 p.m. in the Greenhouses behind Tyson Building. Special Christmas plants on sale include:

- poinsettias, ranging from plants with mixed red and white blooms to white plants with marbled pink centers, as well as the usual red variety (\$6.50 and up)
- centerpiece arrangements (\$10.00 and up)

Other plants on sale include:

- flowering plants such as African violets and begonias (\$1.50 and up)
- succulents (cacti without thorns) including the ever-popular jade plants (\$1.50 and up)
- cacti (\$1.50 and up)
- ferns (\$1.50 and up)
- peperomias (\$1.50 and up)
- bromeliads (\$5 and up)



A sea of poinsettias await buyers in Greenhouse.

University Park Calendar

WINTER TERM 1979-80

Friday, Nov. 30
 ARHS Book Sale, 9 a.m.-8 p.m., HUB Ballroom.
 Geography Dept. Coffee Hour, 3:45 p.m.,
 Room 319 Walker. Richard Parizek,
 geology, on "International Programs to Save
 the Great Lakes."
 Arab Student Assn. Lecture, 7 p.m., HUB
 Assembly Hall. "Contemporary Situation of
 the Palestinian People."
 Commonsplace Theatre, *Pinocchio*, 7 and 9
 p.m., Room 112 Kern.
 Sports: wrestling, Penn State Invitational;
 swimming and diving (men), Penn State
 Relays, 8 p.m.
 URTC, *You Can't Take It With You*, 8 p.m.,
 The Pavilion Theatre.

Saturday, Dec. 1
 Sports: swimming and diving (men), Penn State
 Relays, 9 a.m.; wrestling, Penn State
 Invitational; football vs. Pittsburgh, 12:50
 p.m.; fencing (men) vs. Maryland, 1 p.m.
 France-Cinema, *Madame Rosa*, 7 and 9 p.m.,
 Room 112 Kern.
 Faculty Women's Club Theatre Party, The
 Pavilion Theatre.
 URTC, *You Can't Take It With You*, 8 p.m.,
 The Pavilion Theatre.

Sunday, Dec. 2
 University Chapel Service, 11 a.m., Eisenhower
 Chapel. The Reverend Ned Weller, PSU
 United Ministry, speaker.
 Sports: basketball (men), vs. Indiana (Pa.), 2:10
 p.m.
 Commonsplace Theatre, *Mother Kuster's Trip
 to Heaven*, 7 and 9 p.m., Room 112 Kern.
 Alard String Quartet, with Jorge Sicre, cello,
 8:30 p.m., Music Bldg. Recital Hall.

Week of Dec. 3

Monday, Dec. 3
 HUB Craft Center, Block Printing
 Demonstration, 11 a.m., Kern Lobby.
 Connections Film Series, "Trigger Effect,"
 12:15 p.m., Room 112 Kern.
 France-Cinema, *Madame Rosa*, 7 and 9 p.m.,
 Room 112 Kern.
 Interdisciplinary Symposium on Value, 7:30
 p.m., Room 101 Kern. Lawrence Rosenfield,
 speech, on "The Statesman's Honor: The
 Tradition of Ethical Ideals in Legislative
 Activity."
 Seymour Fink, piano, 8:30 p.m., Music Bldg.
 Recital Hall.
 Shakespeare Film, Hall/Rigg, *A Midsummer
 Night's Dream*, 6:30 p.m., Room 101
 Chambers.

Tuesday, Dec. 4
 Commons Videotape, *Profiles of Rural Religion*,
 "Welcome to Clinton County," noon, Kern
 Lobby.
 Comp. Lit. Film Series, Michael Cacoyannis,
Iphigenia, 6:30 and 8:45 p.m., Room 112
 Kern.
 Museum of Art Lecture, 8 p.m., Museum of
 Art. Jon Catleugh, English architect and
 restoration consultant, on "Profit from the
 Past."

URTC, *You Can't Take It With You*, 8 p.m.,
 The Pavilion Theatre.

Wednesday, Dec. 5
 Late date to register with foreign language
 departments (other than French and
 Spanish) for written language examinations.
 Sports: basketball (men), vs. Muhlenberg, 8:10
 p.m.
 URTC, *You Can't Take It With You*, 8 p.m.,
 The Pavilion Theatre.
 Leonard Feldman, cello, 8:30 p.m., Music Bldg.
 Recital Hall.
 Shakespeare Film, Olivier, *Henry V*, 6:30 p.m.,
 Room 101 Chambers.

Thursday, Dec. 6
 STS/Two Cultures Dialogue on "Technology
 Assessment and Risk Analysis," lunch,
 noon; presentation, 12:30 p.m., Room 101
 Kern. Joachim Wohllwill, man, environment
 and psychology, on "Factors Influencing
 Individual and Social Perception of Risk."
 Brown Bag Performing Arts Hour, 12:30 p.m.,
 HUB Assembly Hall. "Shakespearean
 Selections."
 Sports: swimming (women) vs. Clarion, 7 p.m.
 GSA Workshop, *Holiday Wrapping and
 Ornaments*, 7:30 p.m., Room 101 Kern.
 Anthropology Dept. Film and Lecture, 8 p.m.,
 Room 112 Kern. John Marshall,
 documentary filmmaker premieres his film
 of a Bushman women. "Nai of the 'Kung
 San."

URTC, *You Can't Take It With You*, 8 p.m.,
 The Pavilion Theatre.
 Artists Series, Scotland's Highland regiment,
 The Black Watch, 8:30 p.m., Rec. Hall.

Friday, Dec. 7
 USG Flea Market, 10 a.m.-5 p.m., HUB
 Ballroom.
 Geography Dept. Coffee Hour, 3:45 p.m.,
 Room 319 Walker. James McClure, College
 of Agriculture and sometime member, State
 College Borough Council, on "Eight Years
 on Borough Council: The Reflections of an
 Aspiring Idiot."
 Commonsplace Theatre, *The Magic Flute*, 7 and
 9 p.m., Room 112 Kern.
 Mijia Ahn, piano, 8:30 p.m., Music Bldg.
 Recital Hall.
 URTC, *You Can't Take It With You*, 8 p.m.,
 The Pavilion Theatre.

Saturday, Dec. 8
 Sports: fencing (women), Alumnae Open, 9
 a.m., (men) vs. Pace, 2 p.m.; bowling (men
 and women) vs. Bloomsburg, 1 p.m.;
 wrestling vs. West Virginia, 2 p.m.;
 swimming and diving (men) vs. St.
 Bonaventure, 2 p.m.; basketball (men) vs.
 West Virginia, 8:10 p.m.
 USG Flea Market, 10 a.m.-5 p.m., HUB
 Ballroom.
 Holiday Festival VI, Tree Lighting Ceremony,
 4:30 p.m., (tentative) foot of Mall.
 France-Cinema, *Allegro non troppo*, 7 and 9
 p.m., Room 112 Kern.
 URTC, *You Can't Take It With You*, 8 p.m.,
 The Pavilion Theatre.



AHS, Rajmund Klekot, Polish mime artist, in "The Wanderer," premiere performance, 8:30 p.m., Schwab.
Lutheran Parish, "For the Time Being," 8 p.m., Eisenhower Chapel.

Sunday, Dec. 9
Sports: fencing (women), Alumnae Open, 9 a.m.
University Chapel Service, 11 a.m., Eisenhower Chapel, Christmas Carol-Sing-In.
Holiday Festival VI, International Fair — international food, crafts, art exhibits, live music and films, noon-p.m., HUB Ballroom.

State College Quarterback Club Banquet, 1 p.m., Rec. Hall. Pa. Governor Richard Thornburgh, Pittsburgh Pirates' Willie Stargell and PSU football coach Joe Paterno, speakers.

50th Annual Messiah "Sing-In," 3 p.m., Eisenhower Auditorium.
Commonsplace Theatre, *The Magic Flute*, 7 and 9 p.m., Room 112 Kern.

PSU Glee Club and Cornell University Women's Glee Club, Christmas Concert, 7:30 p.m., Music Bldg. Recital Hall.

Week of Dec. 10

Monday, Dec. 10
Late registration deadline.
Add deadline.
Last date for March graduates to activate diploma cards in Registrar's Office and pay these fees at Bursar's Office.

Holiday Festival Concert, international music, noon, Kern Lobby.
Connections Film Series, "Death in the Morning," 12:15 p.m., Room 112 Kern.
Shakespeare Film, *Oliver, Richard III*, 6:30 p.m., Room 101 Chambers.
France-Cinema, *Allegro non troppo*, 7 and 9 p.m., Room 112 Kern.

Tuesday, Dec. 11
International Crafts Demonstration, 11 a.m., Kern Lobby.
Holiday Festival Concert, Phi Mu Alpha Gamma Band, 12:15 p.m., Kern Lobby.

Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Hotel State College. Audrey Rodgers, English, on "Spring and All: William Carlos Williams' Use of the Kora Myth.

Campus Colleagues meeting, 4:30-6:30 p.m., Assembly Room, Nittany Lion Inn.

Comp. Lit. Film Series, *The Magus*, 7 and 9 p.m., Room 112 Kern.
URTC, *You Can't Take It With You*, 8 p.m., The Pavilion Theatre.

Artists Series Film, Kenji Mizoguchi, *The Life of Oharu*, 8 p.m., Schwab.

Wednesday, Dec. 12
Holiday Festival VI, Christmas Crafts and Trim on the Tree Demonstrations, noon, HUB Main Lounge.

Holiday Festival Concert, international music, noon, Kern Lobby.
RTC, *You Can't Take It With You*, 8 p.m., The Pavilion Theatre.

Thursday, Dec. 13
Holiday Festival Concert, Phi Mu Alpha Marimba Band, noon, Kern Lobby.

Known as Perfecting Arts Hour, 12:30 p.m., HUB Assembly Hall, "Plays in Progress."
International Candlelight Dinner, 4:45-6:45 p.m., HUB Terrace Room.
RTC, *You Can't Take It With You*, 8 p.m., The Pavilion Theatre.

Friday, Dec. 14
Holiday Festival Concert, Phi Mu Alpha Brass Choral, noon, Kern Lobby.

geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Robert Scholten, geology, on "Centre County and Global Tectonics."

International Candlelight Dinner, 4:45-6:45 p.m., HUB Terrace Room.

Commonsplace Theatre, *Camelot*, 7 and 9 p.m., Room 112 Kern.

Holiday Festival VI, International Night, performances by international students, 7 p.m., HUB Ballroom.

Link and Square Dance Round Up, 7:30 p.m., Room 133 White.

RTC, *You Can't Take It With You*, 8 p.m., The Pavilion Theatre.

Alpha Theta Benefit Concert, 8:30 p.m., Music Bldg. Recital Hall.
Penn State Singers, *Amahl and the Night Visitors*, 8:30 p.m., Eisenhower Auditorium.

Saturday, Dec. 15
Robeson Cultural Center, Children's Christmas Party, 12:30-3 p.m., Walnut Bldg.
Penn State Singers, *Amahl and the Night Visitors*, 2 p.m., Eisenhower Auditorium.
Sports: basketball vs. Syracuse (women), 5:45 p.m., (men), 8:10 p.m.
Madrigal Dinner, 6:30 p.m., Room 102 Kern.
France-Cinema, *Donkey Skin*, 7 and 9 p.m., Room 112 Kern.
URTC, *You Can't Take It With You*, 8 p.m., The Pavilion Theatre.

Sunday, Dec. 16
University Chapel Choir Christmas Service, 11 a.m., Music Bldg. Recital Hall.
Madrigal Dinner, 6:30 p.m., Room 102 Kern.
Commonsplace Theatre, *Camelot*, 7 and 9 p.m., Room 112 Kern.
UCC, Southside Johnny and the Asbury Jukes, 8 p.m., Rec. Hall.

Week of Dec. 17

Monday, Dec. 17
Pass/Fail.
Sports: basketball (women) vs. Northwestern, 7 p.m.

Connections Film Series, "Distant Voices," 12:15 p.m., Room 112 Kern.
France-Cinema, *Donkey Skin*, 7 and 9 p.m., Room 112 Kern.

Color Slide Club meeting, 7:30 p.m., Room 189 Materials Research Lab.
Shakespeare Videotape, BBC, *Richard II*, 6:30 p.m., Room 101 Chambers.

Tuesday, Dec. 18
Pass/Fail.
Sports: wrestling vs. Auburn, 8 p.m.
University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

Wednesday, Dec. 19
Drop deadline.
Pass/Fail.
Course repeat deadline for Spring Term, Room 112 Shields.

Sports: basketball vs. Temple (women), 5:45 p.m., (men), 8:10 p.m.
Winter Term recess begins, 9:55 p.m.

Thursday, Dec. 20
Residence Halls close for Winter Term recess, 3 p.m.

Friday, Dec. 21
University offices close for holiday break, 5 p.m. Offices reopen, 8 a.m., Jan. 2

Saturday, Dec. 22
Sports: football vs. Tulane, Liberty Bowl Stadium, Memphis, Tenn. 1:30 p.m., ABC-TV.

Week of Dec. 31

Wednesday, Jan. 2
Residence Halls open after Winter Term recess, 10 a.m.

Thursday, Jan. 3
Winter Term classes resume, 8 a.m.
Sports: basketball (men) vs. Ursinus, 8:10 p.m.
France-Cinema, *Love on the Run*, 7 and 9 p.m., Room 112 Kern.

Friday, Jan. 4
Last date for written foreign language examinations (other than French and Spanish) for advanced degree candidates.

Deadline for applying for Graduate School Tuition Grant-in-Aid for Spring Term.
Sports: basketball (women), Penn State Invitational, 2 p.m.

Commonsplace Theatre, *Rock and Roll Highschool*, 7 and 9 p.m., Room 112 Kern.

Saturday, Jan. 5
Last date for March graduates to deliver doctoral theses to Committee.

Sports: basketball (women), Penn State Invitational, 1 p.m.; gymnastics (men) vs. Illinois/Chicago Circle, 8 p.m.
France-Cinema, *Love on the Run*, 7 and 9 p.m., Room 112 Kern.

Artists Series, William Windom in *Thurber II*, 8:30 p.m., Schwab.

Sunday, Jan. 6
University Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Theodore E. Kiffer, humanities and director, General Education Program, speaker.
Sports: wrestling vs. Oklahoma, 2 p.m.; basketball (women) vs. Southern Cal, 7 p.m.
Commonsplace Theatre, *Rock and Roll Highschool*, 7 and 9 p.m., Room 112 Kern.

Week of Jan. 7

Monday, Jan. 7
Connections Film Series, "Faith in Numbers," 12:15 p.m., Room 112 Kern.

France-Cinema, *Love on the Run*, 7 and 9 p.m., Room 112 Kern.
Interdisciplinary Symposium on Value, 7:30 p.m., Room 101 Kern. Joseph Flay, philosophy, speaker.

Shakespeare Videotape, BBC, *Romeo and Juliet*, 6:30 p.m., Room 101 Chambers.

Tuesday, Jan. 8
Comp. Lit. Luncheon, 12:15; talk, 1 p.m., Hotel State College. Christiane P. Makward, French, on "Sex and Text: A Very French Variation."

Comp. Lit. Film Series, Victor Erice, *The Spirit of the Beehive*, 7 and 9 p.m., Room 112 Kern.

Thursday, Jan. 10
STS/Two Cultures Dialogue on "Technology Assessment and Risk Analysis," lunch, noon; presentation, 12:20 p.m., Room 101 Kern. Robert Friedman, political science, on "Aggregation of Risk Perception: From Individual to Social Dimensions."

Friday, Jan. 11
Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Rodney Erickson, geography, on "The Changing Location of Jobs, and the Death and Life of Great American Cities."

Commonsplace Theatre, *Agatha*, 7 and 9 p.m., Room 112 Kern.

Artists Series, Fernando Valenti, harpsichord, 8:30 p.m., Schwab.

Saturday, Jan. 12
Last date for final oral doctoral examinations for March graduates.

Last date for March graduates to deliver masters' theses or papers to adviser.
Sports: fencing (women) vs. North Carolina State, Montclair State and Fairleigh Dickinson, 9 a.m., (men) vs. North Carolina State and Ohio State, 11 a.m.; bowling (men and women) vs. Drexel, 1 p.m.; basketball (women) vs. Colorado, 5:45 p.m., (men) vs. Duquesne, 8:10 p.m.

France-Cinema, *Bread and Chocolate*, 7 and 9 p.m., Room 112 Kern.

Sunday, Jan. 13
University Chapel Service, 11 a.m., Eisenhower Chapel. Martin Luther King, Jr. Celebration, Dr. Daniel Walden, American studies, speaker.

Sports: bowling (men) vs. Penn State/Capitol, 1 p.m.
Commonsplace Theatre, *Agatha*, 7 and 9 p.m., Room 112 Kern.

Artists Series, Krasnarsky Dance Company, 8:30 p.m., Eisenhower Auditorium.

Week of Jan. 14

Monday, Jan. 14
Last date for March graduates to submit camera-ready thesis manuscripts to Thesis Office.

Sports: basketball (men) vs. Delaware, 8:10 p.m.
Connections Film Series, "Wheel of Fortune," 12:15 p.m., Room 112 Kern.

France-Cinema, *Bread and Chocolate*, 7 and 9 p.m., Room 112 Kern.

Tuesday, Jan. 15
Comp. Lit. Luncheon, 12:15; talk, 1 p.m., Hotel State College. Daniel Walden, American studies, on "Neil Simon: From The Bronx to Broadway to California and Back."

Comp. Lit. Film Series, John Schlesinger, *Far From the Madding Crowd*, 6:30 and 8:45 p.m., Room 112 Kern.

Artists Series Film, *Jane Eyre*, 8 p.m., Schwab.

Wednesday, Jan. 16
Comp. Lit. Film Series, Anselmo Duarte, *The Given Word (O Pagador de Promessas)*, 7 and 9 p.m., Room 112 Kern.
Percussion Ensemble Concert, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, Jan. 17
Winter Candlelight Dinner, 4:45-6:45 p.m., HUB Terrace Room.

Friday, Jan. 18
Board of Trustees meeting, Keller Bldg.
Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Harold Dickson, art history, emeritus, on "Ten Pennsylvania Buildings."

Winter Candlelight Dinner, 4:45-6:45 p.m., HUB Terrace Room.

Commonsplace Theatre, *Halloween*, 7 and 9 p.m., Room 112 Kern.

Artists Series, Claude Kipnis Mime Theatre, 8:30 p.m., Eisenhower Auditorium.

Saturday, Jan. 19
Board of Trustees meeting, Keller Bldg.
Sports: fencing (men) vs. William Patterson, 1 p.m.; swimming and diving vs. Pittsburgh (women), 1 p.m., (men), 4 p.m.; basketball vs. Rutgers (men) 2:10 p.m., (women), 4 p.m.; volleyball (men) vs. Alumni, 7 p.m.; gymnastics (men) vs. Ohio State, 8 p.m.

Faculty Women's Club Mid-Winter Coffee, 9:30-11:30 a.m., Memorial Lounge.

Eisenhower Chapel.
France-Cinema, *Going Places*, 7 and 9 p.m., Room 112 Kern.

Artists Series, Claude Kipnis Mime Theatre, 8:30 p.m., Eisenhower Auditorium.

Sunday, Jan. 20
University Chapel Service, 11 a.m., Eisenhower Chapel. Celebration of Christian Unity.
Commonsplace Theatre, *Going Places*, 7 and 9 p.m., Room 112 Kern.

Choral Concert, Anthony Leach, conductor, 3:30 p.m., Music Bldg. Recital Hall.

Artists Series, Claude Kipnis Mime Theatre, 2:30 p.m., Eisenhower Auditorium.

Week of Jan. 21

Monday, Jan. 21
Connections Film Series, "Thunder in the Skies," 12:15 p.m., Room 112 Kern.
Deadline for IAHS research grant applications for Summer and Fall Terms 1980, 5 p.m., Hisseng Cottage.

Sports: basketball (men) vs. Johns Hopkins, 8:10 p.m.
Color Slide Club meeting, 7:30 p.m., Room 189 MRL.

Commonsplace Theatre, *Halloween*, 7 and 9 p.m., Room 112 Kern.

Shakespeare Videotape, BBC, *Macbeth*, 6:30 p.m., Room 101 Chambers.

Tuesday, Jan. 22
Comp. Lit. Luncheon, 12:15; talk, 1 p.m., Hotel State College. Edwin Thumboo, IAHS Fellow and Univ. of Singapore, on "A Question of Tradition: Imported and Local."

College of Agriculture Faculty meeting, 4 p.m., Room 301 Ag. Admin. Bldg.

Comp. Lit. Film Series, Andrej Wajda, *ashes and Diamonds*, 7 and 9 p.m., Room 112 Kern.

Sports: swimming (women) vs. West Chester, 3:30 p.m.

Wednesday, Jan. 23
Sports: gymnastics (women) vs. LSU, 8 p.m.
Penn State Symphonic Wind Ensemble Concert, 8:30 p.m., Music Bldg. Recital Hall.

Friday, Jan. 25
Sports: gymnastics (men), vs. York of Canada and (women), vs. Michigan State, both 8 p.m.

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Ronald Able, geography, on "Geographical Effects of Changes in Federal Communications Policies."

Commonsplace Theatre, *Seven Beauties*, 7 and 9 p.m., Room 112 Kern.

Artists Series, Glinka Chorus of Leningrad, 8:30 p.m., Eisenhower Auditorium.

Saturday, Jan. 26
Sports: basketball (women), vs. St. Joseph's, 4 p.m., (men), vs. Fairleigh Dickinson/Teaneck, 8:10 p.m.

France-Cinema, *Seven Beauties*, 7 and 9 p.m., Room 101 Kern.

(Continued on page 6)

Sunday, Jan. 27

Sports: volleyball (men), Nittany Lion Invitational, 9 a.m.
University Chapel Service, 11 a.m., Eisenhower Chapel. The Reverend Patricia Thomas, PSU Episcopal Student Assn., speaker.
Commonplace Theatre, *Barbarella*, 7 and 9 p.m., Room 101 Kern.
MENC Student Recital, 3:30 p.m., Music Bldg. Recital Hall.

Week of Jan. 28**Monday, Jan. 28**

First day to sign Spring Term NDSL and University Long Term Loans, Room 108 Shields.
Last date for March graduates to deliver final copy of thesis to Graduate School.
Last date for Departments to certify to Graduate School completion of required papers for March graduates.
Last date for March graduates to order cap, gown and hood locally.
Sports: basketball (men) vs. Richmond, 8:10 p.m.
Connections Film Series, "The Long Chain," 12:15 p.m., Room 112 Kern.
Shakespeare Videotape, BBC, *Julius Caesar* 6:30 p.m., Room 101 Chambers.

Tuesday, Jan. 29

Gallery Talk, 10:30 a.m., Museum of Art. E. McSherry Fowble, assoc. curator.
Winterthur Museum, on "Pennsylvania Prints from the Collection of Ralph M. Yeager and John C. O'Connor."
Comp. Lit. Luncheon, 12:15 p.m., Hotel State College. Landon C. Burns, English, on "Epistolary Scholarship in Historical Novels."
Dance Workshop, student choreography presented, 5:45 p.m., White Bldg. Dance Theatre.
Comp. Lit. Film Series, Rene Clement, *Forbidden Games*, 7 and 9 p.m., Room 101 Chambers.
Sports: basketball (women) vs. Cortland State, 7 p.m.

Wednesday, Jan. 30

Alard String Quartet, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, Jan. 31

Campus Collegues meeting, 4:30-6:30 p.m., Assembly Room, Nittany Lion Inn.

Friday, Feb. 1

Deadline for applying for Fellowships through Graduate School programs.
Sports: gymnastics (men) vs. Southern Connecticut, 8 p.m.
Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Robert Frank, English, on "The Pleasures of Sisyphus: Reflections on Literary Study."
Artists Series, New York Chamber Soloists, *Acis and Galatea*, 8:30 p.m., Schwab.

Saturday, Feb. 2

Sports: fencing (men) vs. Cornell, 1 p.m.; swimming and diving (men) vs. Temple and Texas A&M, 2 p.m.; wrestling vs. Navy, 2 p.m.; volleyball (men) vs. Army, 7:30 p.m.; gymnastics (women) vs. Cal State/Fullerton, 8 p.m.
UnComm Dinner Theatre, 6 p.m., Room 102 Kern.
Penn State Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sunday, Feb. 3

University Chapel Service, 11 a.m., Eisenhower Chapel. The Reverend Aaron Buzzelli, O.S.B., Penn State Catholic Center.
UnComm Dinner Theatre, 6 p.m., Room 102 Kern.

Week of Feb. 4**Monday, Feb. 4**

Connections Film Series, "Eat, Drink and Be Merry," 12:15 p.m., Room 112 Kern.
Shakespeare Film, *Oliver, Hamlet*, 6:30 p.m., Room 101 Chambers.
France-Cinema, *Barbarella*, 7 and 9 p.m., Room 112 Kern.
Archaeological Institute of America Lecture, 8 p.m., HUB Assembly Hall. Eva C. Keuls, Univ. of Minnesota, on "The Hetaera and the Housewife: The Splitting of the Female Psyche in Greek Art."
Barry Hannigan, piano, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, Feb. 5

Red Cross Bloodmobile, 10 a.m.-4 p.m., HUB Ballroom.
Comp. Lit. Luncheon, 12:15 p.m., Hotel State College. Caroline Eckhardt, English and comp. lit. speaker.
University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.
Comp. Lit. Film Series, Rafael Gil, *Don Quixote*, 6:30 and 8:45 p.m., Room 112 Kern.

Wednesday, Feb. 6

Late drop deadline.
Last day to sign Winter Term NDSL and University Long Term Loans, Room 108 Shields.
Red Cross Bloodmobile, 10 a.m.-4 p.m., HUB Ballroom.
Musica da Camera, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, Feb. 7

Sports: basketball (women) vs. East Stroudsburg, 7 p.m.
URTC, Henrik Ibsen, *An Enemy of the People*, 8 p.m., The Pavilion Theatre.

Friday, Feb. 8

Sports: basketball (women), Coca Cola Lady Lion Classic, 7 p.m.
Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Roger Downs, geography, on "Maps as Metaphors."
Commonplace Theatre, *Death in Venice*, 7 and 9 p.m., Room 112 Kern.
Contemporary Dance Company, 8:30 p.m., Eisenhower Auditorium.
Penn State Brass Choral, 8:30 p.m., Music Bldg. Recital Hall.
URTC, *An Enemy of the People*, 8 p.m., The Pavilion Theatre.

Saturday, Feb. 9

Sports: fencing (women) vs. Caldwell, James Madison and California (Pa.), 9 a.m.; rifle (coed) vs. Navy and Youngstown State, 9 a.m.; basketball (women), Coca Cola Lady Lion Classic, 1 p.m.; swimming and diving vs. Rutgers, (women) 1 p.m., (men) 4 p.m.; wrestling vs. Cleveland State, 8 p.m.
Contemporary Dance Company, 2:30 p.m., Eisenhower Auditorium.
France-Cinema, *Providence*, 7 and 9 p.m., Room 112 Kern.

URTC, *An Enemy of the People*, 8 p.m., The Pavilion Theatre.

Artists Series, Fiannulla Flanagan in James Joyce's *Women*, 8:30 p.m., Schwab.

Sunday, Feb. 10

University Chapel Service, 11 a.m., Eisenhower Chapel. Dr. George Docherty, Edinboro University, Scotland, speaker.
Tom Kennedy, flute, 3:30 p.m., Music Bldg. Recital Hall.
Commonplace Theatre, *Death in Venice*, 7 and 9 p.m., Room 112 Kern.

Week of Feb. 11**Monday, Feb. 11**

Connections Film Series, "Countdown," 12:15 p.m., Room 112 Kern.
France-Cinema, *Providence*, 7 and 9 p.m., Room 112 Kern.
Steven Smith, piano, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, Feb. 12

Comp. Lit. Luncheon, 12:15 p.m., Hotel State College. Elizabeth A. Bowden, English, on "Ambiguity on the Page, Flexibility in Performance: A New Look at Chaucer."
Artists Series Film, Kenji Mizoguchi, *A Geisha*, 8 p.m., Schwab.
URTC, *An Enemy of the People*, 8 p.m., The Pavilion Theatre.
Shakespeare Film, Richardson Williamson, *Hamlet*, 6:30 p.m., Room 101 Chambers.

Wednesday, Feb. 13

Sports: swimming and diving (men) vs. Bucknell, 7:30 p.m.; basketball vs. Pittsburgh, (women), 5:45 p.m., (men), 8:10 p.m.
Valentine Candlelight Dinner, 4:45-6:45 p.m., HUB Terrace Room.
Composer's Concert, 8:30 p.m., Music Bldg. Recital Hall.
URTC, *An Enemy of the People*, 8 p.m., The Pavilion Theatre.

Thursday, Feb. 14

Valentine Candlelight Dinner, 4:45-6:45 p.m., HUB Terrace Room.
URTC, *An Enemy of the People*, 8 p.m., The Pavilion Theatre.

Friday, Feb. 15

Last date to submit petition to Records Officer to graduate in absentia in March.
Commonplace Theatre, *Empire of the Senses*, and 9 p.m., Room 112 Kern.
Folk and Square Dance Round Up, 7:30 p.m., Room 133 White Bldg. Free.
Artists Series, Royal Winnipeg Ballet with orchestra, 8:30 p.m., Eisenhower Auditorium.
URTC, *An Enemy of the People*, 8 p.m., The Pavilion Theatre.

Saturday, Feb. 16

Sports: rifle (coed) vs. West Virginia, Ohio State and Army, 8 a.m.; bowling (men and women) vs. Maryland, 1 p.m.; swimming and diving vs. West Virginia, (women), 1 p.m., (men), 4 p.m.; wrestling vs. Pittsburgh, 2 p.m.; gymnastics, (men) vs. Northern Illinois, (women) vs. Louisville, both 8 p.m.
France-Cinema, *TBA*, 7 and 9 p.m., Room 112 Kern.
GSA Valentine's Day Social, 8 p.m., Room 102 Kern.
URTC, *An Enemy of the People*, 8 p.m., The Pavilion Theatre.

Sunday, Feb. 17

University Chapel Service, 11 a.m., Eisenhower Chapel. Mr. Bryan Polk, intern pastor, Lutheran Student Parish, speaker.
Commonplace Theatre, *Empire of the Senses*, 7 and 9 p.m., Room 112 Kern.

Week of Feb. 18**Monday, Feb. 18**

Connections Film Series, "Yesterday," 12:15 p.m., Room 112 Kern.
France-Cinema, *TBA*, 7 and 9 p.m., Room 112 Kern.
Color Slide Club meeting, 7:30 p.m., Room 189 MRL.
Shakespeare Film, Brook/Scofield, *King Lear*, 6:30 p.m., Room 101 Chambers.

Tuesday, Feb. 19

Gallery Talk, 10:30 a.m., Museum of Art.
Richard Porter, registrar of Museum of Art, on "Searching for William Williams, Teacher of Benjamin West: A Problem in Connoisseurship."
Sports: wrestling vs. Bloomsburg, 8 p.m.
URTC, *An Enemy of the People*, 8 p.m., The Pavilion Theatre.

Wednesday, Feb. 20

Last day to sign Winter Term Emergency Loans, Room 108 Shields.
Early registration for Spring Term, weekdays, 8:30 a.m.-4:30 p.m., Room 112 Shields, through Feb. 26.
Sports: swimming and diving (men) vs. Bloomsburg, 4 p.m.; basketball (men) vs. Massachusetts, 8:10 p.m.

URTC, *An Enemy of the People*, 8 p.m., The Pavilion Theatre.
Winter Term classes end, 9:55 p.m.

Thursday, Feb. 21

Final examinations.
URTC, *An Enemy of the People*, 8 p.m., The Pavilion Theatre.

Friday, Feb. 22

Final examinations.
URTC, *An Enemy of the People*, 8 p.m., The Pavilion Theatre.

Saturday, Feb. 23

Final examinations.
Sports: fencing (women) vs. Indiana (Pa.), Johns Hopkins, St. Johns and Cornell, 9 a.m.
URTC, *An Enemy of the People*, 8 p.m., The Pavilion Theatre.

Sunday, Feb. 24

Sports: fencing (women) vs. Ohio State, Johns Hopkins and St. John's, 9 a.m.

Seminars Dec. 3-6**Monday, Dec. 3**

Physics, G. Ahlers, UC-SB, on "The Lamb Transition of Superfluid Helium," 3:55 p.m., Room 445 Davey.
Computation Center, Daniel L. Bernitt, seminar research associate, on "JCL (1 of 6)," 7:30 p.m., Room 112 Walker.

Tuesday, Dec. 4

Surface Science, William Steele, chemistry, on "Theory of Thick Films Physisorbed on Uniform Solids," 11 a.m., Room 339 DA.
Astronomy, Brian P. Flannery, Harvard Univ., on "Acoustic Instability in Diffuse Interstellar Clouds," 4 p.m., Room 445 Davey.

Biology, Harlan P. Banks, Cornell Univ., on "The Lure of Early Land Plants," 4 p.m., Room 108 Ferguson.

Mathematics, William Veez, Univ. of Arizona, on "Recent Work in Number Theory," 4 p.m., Room 102 McAllister.

Organic/Inorganic, Jim Atwood, SUNY-Buffalo, on "The Role of Oxygen Coordination in Carbon Monoxide II."

Catalytic Olefin Hydrogenation by $\text{Co}(\text{P}(\text{OMe})_2)_4\text{-COCH}_3$, 8 p.m., Room 101 Whitmore.

Wednesday, Dec. 5

Computation Center, Daniel L. Bernitt, "JCL (6 of 6)," 7:30 p.m., Room 112 Walker.

Thursday, Dec. 6

Chemistry, Donald H. Levy, Univ. of Chicago, on "Spectroscopy in Supersonic Molecular Beams," 12:45 p.m., Room 333 Whitman.
Physics, William Williams, Univ. of Michigan, on "Neutral Current Interactions in Atom Hydrogen," 3:55 p.m., Room 445 Davey.
Computer Science, Daniel J. Paulish, Burroughs Corp., Paoli, Pa., on "A Fail-Soft Distributed Processing System," 4 p.m., Room 325 Whitmore.

Exhibits**HUB Galleries**

The Gallery
Zelko Kujundzic, recent paintings, sculpture and ceramics, through Dec. 19.
Traveling Print Exhibit, Jan. 3-Feb. 1.
Browsing Gallery
Waskewich Galleries Print Sale and Exhibition, Dec. 3-7.
Dianne Cissel oil paintings, Dec. 8-19.
Nancy Straley, prints and drawings, Jan. 31.

Art Alley

Holiday Festival VI Exhibit, Arts and Crafts from Around The World, Dec. 8-19.
John Caroline, stained glass, Jan. 3-31.
Ukrainian Cultural Artifacts, Jan. 3-12.
Central Pa. Scholastic Art Awards Exhibit, Jan. 13-26.
PSU Camera Club Exhibit, Jan. 27-Feb. 1.
Jinx Webster, recent ceramic works, Feb. 20.

Kern Galleries

Janet L. Dougherty, prints and drawings, through Dec. 16.
Christmas Crafts from Around the World, through Dec. 17.
Mary Keithman, paintings, Jan. 3-19.
Marty Tyllman, ceramic constructions, Jan. 15-19.

Penn State Film Follies Posters, Jan. 20-31.
Group Photography Exhibit, Feb. 2-29.

Museum of Art

French drawings from European collections (former Armand Goblet Collection) and Oriental works from the permanent collection, through Dec. 21.

Wirth McCoy, recent paintings, Jan. 6-Feb. 19.
Pennsylvania prints from the collection of Ralph M. Yeager and John C. O'Connor, Jan. 13-March 30.

Chinese export porcelains from the collection of Dr. and Mrs. Harold L. Tonkin, opens Feb. 24.

Diane Pepe, recent prints and drawings, opens Feb. 24.

Pattee Library

East Corridor Exhibit
"Intentions," exhibit by four State College photographers, through Dec. 20.
Lending Services Lobby
"Morning," Rose Shumskas, drawings, through Dec. 20.

Visual Arts Bldg. Zoller Gallery

Betty Parsons, constructions and Clinton H. paintings, through Dec. 2.
Student architectural drawings and models, Dec. 9-19.

Graduate Student Show, Jan. 6-20.
McCoy Retrospective, Jan. 27-Feb. 17.

Undergraduate Student Exhibit, opens Feb. 17.

Arts Roundup

Black Watch to perform

The marches of John Philip Sousa will occupy a prominent place in the repertoire of Her Majesty's world famous marching band, The Black Watch, which will appear in Rec Hall at 8:30 p.m. on Thursday, Dec. 6, under the auspices of the Artists Series.

The Black Watch is Scotland's senior Highland Regiment. It originated from the independent companies raised in 1725 to police the Highlands. From its inception, members have worn a dark tartan, a composite derived from the tartans of the families who commanded the independent companies (the Campbells, Munros and Grants). The regiment became known as The Black Watch in contrast to the English soldiers, who wore red coats. Its pipers, however, wear the Royal Stewart tartan.

Legend associates the Red Hackle, the vulture feathers worn in the bonnets of The Black Watch for over 160 years, with the Battle of Geldermalsen on Jan. 5, 1795, when Highlanders rescued two guns of the 11th Light Dragoons from the French. For their gallantry on this occasion, The Black Watch was awarded its distinctive Red Hackle badge.

The Black Watch was last seen in this country in 1976, as part of the Bicentennial celebration. The opening fanfare of each performance is followed by precision marching and counter-marching to the sounds of bagpipes and drums. The performances also include the traditional sword dances, in which the men cross sabres while they do a Highland fling.

Tickets will go on sale at Eisenhower Auditorium Box Office and at the Artists Series HUB Booth beginning Monday, Dec. 3, at 9 a.m.

Mime program in Schwab

Rajmund Klekot, of the Warsaw Mime Theatre of the Warsaw Chamber Opera, will present a program of mime and music at 8:30 p.m. Saturday, Dec. 8, in Schwab Auditorium.

A native of Poland, Mr. Klekot is currently working at the University on a mime piece and is also giving workshops and performances of other works in public schools in the area.

Mr. Klekot is one of the founders of the Warsaw Mime Theatre. The group has appeared in 34 European countries and has made several tours in the United States, performing at The New Theatre Festival in Baltimore, La Mama in New York and the National Press Club in Washington.

Two separate mime pieces will be presented at University Park, where the program will also include a performance by pianist Ana Maria Trenchi de Botazzi.

Tickets will be sold at the Eisenhower Auditorium Box Office the week preceding the performance.

Cello concert Dec. 5

A program of music for cello and other instruments will be presented at 8:30 p.m. Wednesday, Dec. 5, in the Music Building Recital Hall.

Leonard Feldman, cellist, will be assisted by Joanne Zagst Feldman, violist, and pianist Jill Olson for the concert, which will include four pieces.

They are "Duet with Two Eyeglasses Obligato" by Beethoven, Sonata No. 1 in C Major for Viola Da Gamba and Cembalo by J.S. Bach, Sonata for Violoncello and Piano, Op. 71 (1962) by D. Kabalevsky, and "Suite Populaire Espagnole" by Manuel De Falla.

All three performers are members of the faculty of the University's School of Music.

Cleveland cellist joins Alard for special concert

Jorge Sice, a cellist with the Cleveland Orchestra and one of the original members of the Alard String Quartet, will rejoin that group for a special concert at 8:30 p.m. Sunday, Dec. 2, in the Music Building Recital Hall.



A Black Watch piper.

Sunday's concert will commemorate the 25th anniversary of the founding of the Alard Quartet. Mr. Sice was a member of the group when it was formed at the Juilliard School of Music. Of the original foursome, only violinist Donald Hopkins remains with the group. The three other members, who have made up the Quartet since 1959, are violinist Joanne Zagst Feldman, violist Raymond Page and cellist Leonard Feldman.

The Alard has been in residence at Penn State since 1962.

For the special concert, the Quartet will perform Quartet Opus 74 by Alban Berg and Beethoven's Quartet Opus 74, the "Harp" quartet. They will be joined by Mr. Sice for Schubert's Quintet in C Major, a work calling for string quartet and an additional cello.

Fink to give piano recital

Pianist Seymour Fink, senior piano professor at SUNY-Binghamton, will present a recital at 8:30 p.m. Monday, Dec. 3, in the Music Building Recital Hall.

Prof. Fink will perform compositions by Beethoven, Ravel and Chopin. In addition, he will teach a master class Tuesday morning for students in the School of Music.

The recipient of Fulbright and Yale University Morse Fellowships, Prof. Fink holds B.A. and M.M. degrees from Yale. He has performed in Germany, England, France and Switzerland.

The '80s

(Continued from page 1)

Undergraduate Education

CBA faces "the happy problem" of an insistent demand for its services at all levels. Approximately 3,980

undergraduate majors crowded into its classrooms this Fall.

"I am impressed with our students," Dean Kelley says. "They are among the most able, motivated and capable in the University. Nor do I foresee any decline in the number of qualified applicants."

"Whether we like it or not, change is being forced on higher education. Changes in society are reflected in student value systems, and they are reshaping the American university. Students are looking for career-oriented fields of study. Penn State, however, is fortunate because it has in its portfolio one of the natural remaining centers of growth in higher education — management education."

With help from a Revolving Fund established by the Provost, CBA is taking advantage of this growth by developing cooperative education efforts with other units in the University. A joint major in French and Business is already in existence. The Philosophy of Business

Ethics and the History of Business Enterprise are taught by liberal arts professors. A course on the Business Man in American Literature is being developed by the English Department, and additional sections of a Speech Communications course, specific to the needs of business majors, will be offered.

"Many of the changes of the '80s can be forecast today," Dean Kelley says. "Among them are changes in public value systems, accelerated technological developments and structural differences in the work force. America is shifting away from heavy industry and manufacturing to a services-oriented society with new concerns for dealing with social and environmental problems. Services now account for 46 percent of the GNP, as opposed to 31 percent in 1950."

"The problems of increasing productivity in the services sector — in education, hospitals, government — are difficult and challenging. Relatively few business schools have looked systematically at the opportunities that this shift to a service economy and a not-for-profit organizational system mean for curricula and research."

"As work force and employee value systems continue to change during the years ahead, traditional measures of managerial development and training, as well as views on motivation, will have to be adjusted. Making curricular adjustments in this climate will be one of the most important challenges faculty members face."

Yet another long-term trend which will have a major impact on business education is the increasing internationalization of business. Doctoral, master's and undergraduate programs in management will have to become more international in outlook.

"A basic concept guiding our consideration in establishing relationships with foreign institutions is the development of a comprehensive program," Dean Kelley emphasizes. "Such a program involves research, student exchanges at the undergraduate and graduate levels, faculty exchanges and executive management education. At the heart of this concept is our basic concern to develop faculty talents in international management education."

The College already has such an all-encompassing effort in place with ESAN, the Graduate School of Business in Lima, Peru, and is seeking to broaden its undergraduate exchange program with the University of Cologne.

Under investigation is a joint French-Business program at the University of Nice, a program involving a consortium of universities in Puerto Rico, and a program in England.

Graduate Programs

By 1980, the College expects to be able to choose its MBA entering class from some 1,000 applicants. The class now numbers between 100-110 students, and the College hopes to see it increase to 140-150 in 1980. At the same time, Dean Kelley notes, the mix will be changed to include more women and minority students and the background of the applicant pool broadened by enrolling even more degree holders from leading undergraduate institutions and from outside the Middle Atlantic region.

"In developing our MBA program," Dean Kelley says, "we are more than just adapting to change. We are anticipating it. For example, we intend to upgrade the computer aspects of management decision making courses so our MBA graduates will be intelligent and creative users of computer decision support systems. We also intend to double — from 25-50 — the number of internship opportunities which afford meaningful summer jobs for MBA students."

Along these lines, CBA plans to develop practical problem solving experiences for its MBA students with some 100 Centre Region manufacturing firms. Last year,

Dean Kelley points out, a Small Business Institute consulting report prepared by students in Penn State's MBA program took second place in a national competition.

In addition to the MBA, the College offers M.S. and Ph.D. degrees.

Because there are good jobs awaiting graduates, not only in the business world but also in academe, applications for these programs continue to increase.

Faculty Development

CBA faculty members have been called on in recent years not only to handle large undergraduate enrollments but also to participate in an increasing number of executive education/continuing education programs.

"One of our goals during the period ahead," Dean Kelley comments, "will be to continue our efforts to strengthen our position in externally funded and managerial oriented research programs."

To encourage and support an atmosphere in which scholarly research can flourish, the College held a Research Retreat in September. A special research workshop for non-tenured faculty, focusing on their professional development, was also designed.

Concrete recognition of the importance of research has been provided with the assignment to CBA of the Special Education Building, which will now serve as the Center for Research and Executive Programs Building.

External Relations

"Changing societal needs and resource restrictions within the University require that CBA look to external sources for help in funding," Dean Kelley says.

The College has developed and hopes to expand a broad range of programs that will increase its ties with industry and government. Fourteen firms participate in CBA's Corporate Associates Program, each of them contributing \$5,000 a year to the College. Alumni contributions totaled \$96,000 last year, providing what Dean Kelley calls "a margin for excellence." CBA also hopes to expand the role of its alumni in career counseling.

Executive Education

CBA faculty members are deeply involved in developing and teaching executive and continuing education programs. Enrollments in these programs have grown from 11,800 in 1968-69 to some 30,000 in 1978-79. More than 1,100 programs, workshops, seminars and conferences were conducted in 1978-79.

"We expect these programs to continue to grow in the '80s," Dean Kelley reports. "As a consequence, faculty members at University Park and at the Commonwealth Campuses will find increased opportunities for program development and teaching."

Unlike many educators who predict that universities will return in the '80s to the three "Rs" — reduction, reallocation and retrenchment — Dean Kelley is more optimistic.

"I think we will be leaner, more focused — and more accountable and purposeful," he says.

"Will we achieve a brighter future? Uncertainty is what makes it interesting. We, as a faculty, are not presiding over status quo. We are trying to manage change, and no one ever said that was easy."

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Trustee Docket

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courses in physics, electrical engineering, mathematics and computer science; 13 additional credits in electrical engineering and physics; and 9-12 credits in an approved foreign language.

The option was developed in consultation with the Department of Electrical Engineering.

A new major leading to a B.S. in social and behavioral sciences has been approved for Behrend College. In that major, students will fulfill basic degree requirements and then choose three curricular modules to complete their academic programs.

The modules, ranging from 15 to 18 credits each, will be selected from 12 different groupings of courses and will include such varied areas of concentration as accounting survey, human behavior disorders, business cycle and forecasting and sports management.

In addition to the new programs, three existing ones are being revised.

The major in philosophy in Liberal Arts has been revised through the creation of four options — logic and philosophy of science, liberal studies, value studies and preparation for graduate studies in philosophy.

The change is being made to give students greater flexibility to combine other fields of interest with philosophy. The new options have been designed so that students who do not plan to do graduate work in philosophy, or who plan to go on to professional training in other fields, can pursue a philosophy B.A.

Two former options in the management major — management and operations management — have been made separate majors. The change reflects increasing recognition of the field of operations management in industry and on other university campuses. Major corporations actively recruit operations management students for positions in operations planning and control, inventory management and production supervision.

Four areas of specialization within the major in agricultural economics and rural sociology have been designated formal options within the major. They are agricultural marketing, farm management, resource economics and rural development.

The new designations will serve to increase student awareness of areas of specialization within the major and to reflect their importance more accurately.

Rural program funding request given approval

A proposal to request funding to expand Milton S. Hershey Medical Center programs serving rural areas and small communities won Trustee approval.

Some \$1,260,246 in supplemental funds will be requested as part of the University's 1980-81 appropriation from the State.

"There continues to be a pressing need for better medical care in Pennsylvania, and Penn State, through the Milton S. Hershey Medical Center is trying to respond to that need," President Oswald said.

"The Hershey Center is the only medical school and university hospital located in a non-metropolitan area of the State. Accordingly, it has accepted special responsibilities to improve the quality and availability of health services for the over eight million Pennsylvanians who reside outside the Commonwealth's two principal metropolitan areas."

Eight rural medicine programs, developed at the Hershey Center in consultation with physicians and hospital staff members from small communities, have been tested and successfully established in some rural areas. Permanent, continuing funding is essential, Dr. Oswald said, if they are to reach their full potential.

Hopkins named acting head of Continuing Education

Daniel T. Hopkins, director of administration and field services in Continuing Education, has been named acting vice president for Continuing Education, effective Jan. 1.

He will succeed Floyd B. Fischer, who will retire Dec. 31 after more than 38 years of service to Penn State.

"Running Continuing Education's vast number of programs requires a special blend of administrative and academic experience," President Oswald said in announcing the appointment. "As a long-time valuable member of the Penn State team, Dan Hopkins is well qualified to assist the administration in helping to bring about the possible merger of Continuing Education and the Commonwealth Campus System."

Mr. Hopkins began his Penn State service in 1948 as a district representative in Pittsburgh. Later, he became assistant administrative head of what was then the Behrend Campus. In 1954, he was named administrative head of the McKeesport Center, later the McKeesport Campus.

In 1959 when Penn State's General Extension was reorganized into Continuing Education, Mr. Hopkins was named director of the Western Region. Three years later, he became assistant director of administration, and in 1964 he

was promoted to associate director. He was named director of administration and field services in 1971.

A native of Pittsburgh, Mr. Hopkins attended Penn State as a member of the U.S. Navy's V-12 program. He received a bachelor's degree in business administration in 1947.

Election rules changed

Holders of associate degrees from the University are now eligible for election by alumni to the University's Board of Trustees as the result of a vote by the Trustees to change the regulations which have governed alumni trustee elections at Penn State since 1905.

Under the old rules, only persons who had earned bachelor's or advanced degrees were eligible for election by alumni. At that time, there were no two-year associate degree programs at Penn State.

Trustees also voted to change a requirement that graduates wait three years to become eligible for election by alumni. The new regulations make graduates eligible immediately.

The primary restriction on election is that after July 1, 1980, no member of the faculty or board of trustees of any other college or university in Pennsylvania is eligible for service as a Penn State alumni trustee.

"Drop-adds" free first five days each term

A change in the University's "drop-add" policy will eliminate the fee for dropping or adding a course for students who take action during the first five working days of an academic term.

Beginning with the sixth working day, the charge will be \$6, and no waivers will be allowed, according to Provost Eddy. It will go into effect with the Winter Term.

"The five-day free period will allow students to make necessary schedule changes," Dr. Eddy said. "Most drops and adds take place on the third day of a new term and again on the last day of the period that allows the smallest penalty."

"Elimination of the waiver will do away with a troublesome administrative headache."

Dr. Eddy said working days are defined

as weekdays when University offices are open.

Faculty Senate-passed provisions for drops and adds with or without academic penalties will not be affected by the new policy, Dr. Eddy noted. Courses may be added without condition during the first 10 calendar days of a term. Drops may be made without notation on the student's record during the first 21 days.

Dr. Eddy pointed out that each baccalaureate student is limited to course drops totaling 12 credits from the fourth through the eighth weeks of classes during his/her undergraduate career. The limit is six credits for associate degree candidates.

The University's drop-add fee had stood at \$2 for 29 years until the 1979 Fall Term, when it was increased to \$6.

Inter-Group Relations Committee established

President Oswald has established a Committee on Inter-Group Relations to serve as a forum for the exchange of views on relations among students, staff and faculty members at the University.

"The Committee," he said, "will concentrate its efforts on ways to foster productive interpersonal relations among groups."

"Our common objective should be the existence of a human relations environment that accepts and fosters diversity."

The Committee will not address specific cases of individual discrimination. The University has policies and mechanisms to handle such cases, Dr. Oswald added.

He further noted that the Committee "should stand ready to meet at any time with the community-task force on race relations when areas of concern extend beyond the campus."

Dr. Roy C. Buck, professor of sociology and social science, was named chairman of the Committee.

Other persons invited to serve on the Committee are: Jung Ahn, past president, Korean Student Organization; Milton J. Bergstein, assistant professor of marketing; Arthur V. Cervo, director, Office of Public Information and Relations; Donald R. Davis, director, United Ministry; Takesha P. Dockery, president, Black Caucus; Jeffrey Eisenstat, director, Hillside Foundation; Ke Chung Kim, professor of entomology; Melvyn S. Klein, director, Student Activities; Dale K. Krach, president, Graduate Student Association; Beverly Lindsay, assistant

professor of education; Thelma Price, assistant vice president for student affairs; Rustum Roy, director, Materials Research Laboratory; Quentin L. Schaut, rector, Catholic Center; Hal J. Shaffer, president, Undergraduate Student Government; Harry Young, chairman, Undergraduate Student Government Race Relations Board.

Christmas shopping

(Continued from page 3)

— For those interested in medieval life and literature, the Press suggests *Fast and Feast: Food in Medieval Society* by Bridget Ann Henisch. The topic is explored from the points of view of all concerned — host, guest, cook and servant. (Regularly: \$14.95. Sale price: 25 percent discount)

The Penn State Press office at 215 Wagner Building (865-1327) will be open Monday through Friday from 9 a.m. to 5 p.m. Browsers are welcome to look through the wide variety of books that are on display. The Press will also mail books (\$1 mailing charge extra).

Poultry sales

Poultry Sales will once again have its annual Christmas turkey sales at the poultry farms (next to the outdoor swimming pool). Turkeys range in weight from 10 to 18 lbs. and are sold every Thursday from 10 a.m. to noon and from 1 p.m. to 4 p.m. Also on sale are chickens and eggs.

Compiled by Nancy Dietrich

Professorship

(Continued from page 1)

encourage new Ph.D. and doctoral candidates to teach auditing and to do research in auditing education.

"It is our hope that we will attract a new generation of auditing educators," Mr. Christopher commented.

"We are very proud to have the College of Business Administration and the University selected as recipients of this prestigious professorship," Dean Kelley said. "I wish to thank Price Waterhouse for its support in the vital area of auditing education."

Dr. Dirsmith holds doctoral and master's degrees in accounting and information systems from Northwestern University. He earned his bachelor's degree in accounting from the University of Illinois. Before coming to Penn State, he served as an instructor at Kendall College.

"Dr. Dirsmith's achievement, both in research and teaching, his accomplishments in the professional community, as well as his high potential for attaining the goals of our program, were some of the reasons why he and Penn State were selected for this grant," Mr. Christopher noted.

The Price Waterhouse Foundation, founded in 1956, is dedicated to the advancement of accounting education. In addition to the auditing professorship program, the Foundation supports grants for accounting research and financial assistance and fellowships to graduate students preparing for teaching careers. It also provides support for undergraduate scholarships, minority schools and programs, faculty symposiums and lecture series, and professional programs and schools of accounting.

Senate

(Continued from page 1)

College of Medicine."

The Senate then held a forensic discussion on the "Perspective on the '80s," as part of the wide-ranging examination of the plan which has been encouraged by the Steering Committee responsible for its final shaping.

Staff Vacancies

The following vacancies for positions classified as staff employee or staff nonemployee have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Dec. 6, 1979. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam war veteran. ASSOCIATE DIRECTOR OF UNDERGRADUATE ADMISSIONS-OFFICE OF UNDERGRADUATE ADMISSIONS, University Park — Responsible to the Director of Undergraduate Admissions for the coordination, planning and management of a major admissions region, including counseling, planning, and organizing operational aspects of admission procedures and activities which relate to the particular region. Formulate and implement policies and procedures necessary to make decisions concerning admission of undergraduate students to the University Park Campus and to a group of assigned campuses. Master's degree (or equivalent), plus two to three years of effective experience, or bachelor's degree (or equivalent), plus four to five years of effective experience, in the administration of higher education required.

PROJECT ASSISTANT-COLLEGE OF ENGINEERING, University Park — Responsible for control of literature and library searches; collecting, tabulating, and organizing data; preparation of written reports; supervision. Bachelor's degree in chemical engineering or physical chemistry and at least one year of graduate work or related experience. THIS IS A FIXED TERM 1 APPOINTMENT-Jan. 2, 1980, through Dec. 31, 1980 (with possibility of renewal)

Penn State Intercom

News in Brief

Arrangements for mail delivery over break should be made now

During the time that University Park offices are closed for the Christmas period — 5 p.m. Friday, Dec. 21, to 8 a.m. Wednesday, Jan. 2 — interdepartmental mail service, U.S. Mail Service and United Parcel Service will be suspended.

If, however, a department has a special need for delivery of incoming U.S. mail on Dec. 24, 26, 27, 28 and/or 31, arrangements can be made with the U.S. Postal Service for delivery by calling the University Mail Service at 865-5602 before 5 p.m. on Friday, Dec. 14.

A department requesting this service is responsible (1) for assigning an employee to be at work in the building at a specified time to receive the mail and (2) for receiving all incoming mail for the building in which the department is housed. The second provision is necessary because the U.S. Postal Service sorts incoming mail by building and not by department.

Holiday Festival VI to begin

Beginning Saturday, Dec. 8, Penn State's University-Wide Program Committee and International Council will sponsor Holiday Festival VI, "An Inter-Cultural Celebration."

Holiday Festival VI includes nine days of programs integrating various cultures from around the world with the traditional American Christmas holiday season.

Through the efforts of Penn State student organizations, administrative units and community groups, the Festival, now in its sixth year, has become a Penn State tradition.

The Festival will open with the tree-lighting ceremony at the foot of the Allen Street Mall Saturday, Dec. 8, and conclude with a Madrigal Dinner Sunday, Dec. 16.

In between there will be concerts, a children's party, dinners and arts and crafts exhibits. Specific events, times and dates are listed in the INTERCOM calendar.

Further information is also available through the HUB Information Desk (865-2000) or the Kern Information Center (865-5436).

Grade mailing change announced

Beginning with the current Winter Term, the University will mail student grade reports to the address designated by each

student, rather than to parents or guardians.

The new policy is necessary for the University to comply with the 1974 "freedom of information" law — also known as the Buckley Amendment — Provost Eddy said in announcing the change.

"The Buckley Amendment prohibits release of educational records — even to parents — without a student's written consent," Dr. Eddy said. "Although those who are financially dependent on their parents are excepted, it would be extremely difficult to determine every student's status and to obtain his or her written consent."

"In order to insure compliance with the law, the University will mail grades to the address designated by the student."

Most overnight parking banned

To assist in snow clearance, regulations prohibiting overnight parking in most parking areas at University Park have gone into effect and will continue through March 15.

The regulations are in effect whether or not there is snow on the ground. Signs are posted at the entrance of those lots which are affected stating, "No Parking 2:30 a.m. to 6 a.m." The following lots are posted:

- Red A, B, E, F, G, H, K and M
- Green B, C, D, E, F, G and L
- Yellow A, B, C, E, F, H, K and L
- Brown A, D, F, G and J
- Blue A, D, F, G and K
- Orange A, B, D, E, F, H, L and M

Visitor parking areas, Conference Center parking area, Nursing Education patient unloading area

Overnight parking will be permitted in parking areas not posted for snow removal but vehicles must be moved by 7 a.m. if the area is not an "open" lot.

W-5, RIT-214 information

The Controller's Office wishes to remind those employees who filed an Earned Income Credit Advance Payment Certificate (W-5) or State Income Tax Non-Withholding Application (RIT-214) for 1979 that these forms expire Dec. 31, 1979.

If you qualify and wish to continue your exemption, or if you are applying for the first time, you must file a W-5 and/or RIT-214 prior to Jan. 4, 1980. Forms are available from the Payroll Department, Room 301 Shields Building.

Cornell Chorus joins Penn State groups in concert

The Cornell Chorus will join two University music groups, the Penn State Glee Club and Musica da Camera, for a Christmas concert at 7:30 p.m. Sunday, Dec. 9, in the Music Building Recital Hall.

The Cornell Chorus, composed of 60 women, will open the program with Zoltan Kodaly's "Hegyi eszszak" ("Mountain Nights"). The group will also sing Johannes Brahms' "Marienlieder."

Several traditional Christmas numbers will open the Penn State Glee Club's portion of the program. Two numbers arranged by the Glee Club director Bruce Trinkley — "The Praise of Christmas" and "O Holy Night" — feature soprano Suzanne Roy, an assistant professor of music. Organist June Miller, an associate professor of music, will accompany the Glee Club on "O Holy Night."

Selections by the Hi-Los will make up the third part of the program. The three groups will then join forces to conclude the program with Benjamin Britten's "Saint Nicolas, opus 42."

Receipts from the concert will benefit scholarships for the University's School of Music. Tickets will be on sale in Room 201 of the Music Building from Dec. 3-7.

Forestry Society conducting annual Christmas tree sale

Penn State's Forestry Society is conducting its annual Christmas tree sale. Individuals or departments can order blue spruces, ranging from 5 to 7 feet in height, for \$12.50, or Scotch pines, from 5½ to 7 feet and up, for \$10.

Trees will be delivered free between Dec. 9 and 15. Orders may be placed in Room 106 Ferguson Building or by calling Karen Knisely at 865-4237.

East German writer, director to offer programs Dec. 10-11

Wolfgang Kohlhaase, East German writer and film director, will present a program of his material at 8 p.m. Monday and Tuesday, Dec. 10 and 11.

Mr. Kohlhaase will read from his works in German on Monday in Room 124 Sparks Building and will present his film *I was 19* Tuesday in Room 111 Boucke. The film will be shown in German with English subtitles. Discussions will follow both presentations.

Mr. Kohlhaase's work focuses on the

problems of young people. *I was 19* deals with the psychological problems of a young German fighting in the Soviet Army during World War II.

In addition to directing regular feature and television films, Mr. Kohlhaase writes prose, radio plays and short stories. He is a member of the Academy of Arts of the German Democratic Republic.

The program is sponsored by the Institute for the Arts and Humanistic Studies and the Department of German.

New foreign study program

A new general studies program with Tel Aviv University in Israel will be launched in the Fall of 1980, the first of Penn State's foreign studies programs to be based in the Middle East.

"The program is an attempt to promote an understanding of, and appreciation for, the history and cultural heritage of the Middle East," Provost Eddy said.

The program is intended to complement Penn State courses on the ancient and modern Middle East and the Arab and Jewish cultures. No more than 10 students will participate during the first year, with 25 participants annually in subsequent years.

FACTS cards available

Individuals or groups needing the 1979 Penn State FACTS card may obtain them in quantity from the Campus Relations Office, Room 301 Old Main (865-2501).

The pocket-size fold-out publication contains information on Penn State's history, officers, Campuses, enrollments and term schedule. It is designed to be handed out at meetings or to be used in reception areas.

BBC series is being screened in Kern

"Projections-Connections," a 10-part BBC produced film series showing the historical events that led to the discovery of such inventions as electricity, atomic energy and the printing press will be screened in Room 112 Kern Graduate Building on Mondays during Winter Term.

The hour-long films will be shown beginning at 12:15 p.m. More detailed information about the series, which centers on our present day dependence on technology and our misunderstanding of how change occurs, will appear in the weekly INTERCOM calendars.



Retired employees of the Office of Physical Plant gathered on campus Nov. 20 to renew old acquaintances and visit with present Physical Plant Employees.

Photo by UDIS Still Photography Services

Penn Staters

Dr. David H. Egger, associate professor of petrology, will receive the 1979 L.R. Wager Prize in Volcanology, given by the International Association of Volcanology and Chemistry of the Earth's Interior. The award will be made in December at the quadrennial meeting of the International Union of Geodesy and Geophysics, in Canberra, Australia.

The prize, which is awarded to scientists under 40, honors outstanding contributors to the study of volcanic rocks, particularly studies made in the eight-year period preceding the meeting. The recipient is selected by a subcommittee on volcanology of the Royal Society of Great Britain.

Dr. Egger's research has consisted primarily of experimental studies of the eruption of lavas on the surface of the earth, and of the origin of the magmas from which these lavas are derived. He began his volcanology studies while a research assistant at Penn State from 1967 to 1970. He then became an assistant professor at Texas A&M University and, two years later, joined the staff of the Geophysical Laboratory of the Carnegie Institution of Washington, D.C. He returned to Penn State in 1977. A graduate of Oberlin College, he received his Ph.D. at the University of Colorado in 1967.

President John W. Oswald was one of 20 presidents of institutions of higher learning invited to participate in a business and higher education forum sponsored by the American Council on Education and the Business Roundtable recently in Phoenix, AZ. The educators met with a similar number of chief executive officers from major businesses and industries to assess ways in which higher education and business could collectively advance their common interests. Dr. Oswald chaired a session on how federal regulations affect business and higher education.

Dr. G. Phillip Cartwright, professor of special education, recently appeared as a witness before the U.S. Senate Subcommittee on the Handicapped. His testimony concerned Public Law 94-142, the Education for All Handicapped Children Act of 1975. The law requires that all handicapped children receive a free, appropriate public education in the least restrictive environment. Dr. Cartwright testified about the need to train teachers to work more effectively with handicapped children in the regular classroom.

Dr. David L. Pearson, assistant professor of biology, recently presented invited seminars in South America. He discussed "The Effect of Pleistocene Forest Refugia on Bird Species Richness in Amazonia" at the Science Institute of Catholic University in Quito, Ecuador, and San Marcos University, Lima, Peru.

Dr. Frank Dachsle, professor of geochemistry, recently presented an invited lecture before the Geological Society of South Africa at Rand Afrikaans University. He spoke on "Geological Aspects of Large-scale Meteoritic Impacts." He also presented a paper, "The Electrodynamical Aspect of Impact Cratering," at the 42nd annual meeting of the Meteorological Society, in Heidelberg, Germany.

Dr. Barnes W. McCormick, professor and head of aerospace engineering, was an invited lecturer at the United States Military Academy at West Point recently. He spoke to the faculty concerning, "The Spinning of Light Aircraft."

Samuel H. Levine, professor of nuclear engineering and director of the Brazeale Nuclear Reactor, presented a series of invited lectures at the "Interregional Training Course on the Use of Research Reactors" in Budapest, Hungary, last month.

Maureen A. Carr, professor and head of the School of Music at the University, has been elected to the College of Music. Society Council for the term 1980-82.

Dr. John H. Joseph, assistant to the provost at the Capitol Campus, is the first recipient of the Young Researcher Award established by the Penn State chapter of Phi Delta Kappa, an honorary fraternity for educators. Dr. Joseph was selected for his doctoral dissertation entitled "Instructional Effectiveness of Integrating Abstract and Realistic Visualization." His bachelor's, master's and doctoral degrees were conferred by Penn State. The award consists of a \$250 check, and the recipient's name is inscribed on a permanent award plaque.

Bookshelf

Dr. Robert K. Murray, professor of American history, and expert spelunker Roger W. Brucker are the co-authors of *Trapped*, a new account detailing the 1925 ordeal of Floyd Collins and the unsuccessful attempt to rescue him from the tight passageway he had hoped would lead to the discovery of a new Kentucky cave. The book was published Nov. 26 by G.P. Putnam's Sons of New York.

Dr. Murray contends that, next to the Lindbergh flight and kidnapping, the attempt to rescue Floyd Collins was the biggest news story between the world wars, one of America's first media events.

"More than any other news story of the time, the Floyd Collins drama played out the hidden fears of thousands of Americans," Dr. Murray says. "To be buried alive in such a horrible fashion was the very worst thing many people could imagine."

Research for the book took Dr. Murray and Mr. Brucker, a past president of the Cave Research Foundation, all over the cave country of central Kentucky, where they interviewed surviving members of the rescue team and Collins's family. With special permission from the National Park Service, which now owns Sand Cave where Collins was trapped, they became the first people to enter it since Collins's dead body was carried out nearly 55 years ago.

During those 16 days, the rescue site took on a carnival-like atmosphere at times, with thousands of people flocking to the site. Souvenirs were sold, families brought picnic lunches and handmade maps hurriedly were produced to direct tourists to the site.

The quality of news reporting was mixed, much of it degenerating into fabrication because of a lack of information. "Reporters rewrote each other's stories and conjured up fake interviews," Dr. Murray says. "The pressure on them was intense, and the actions of some were unbelievable."

Two employees awarded their 25-year chairs



Paul L. Guelich Jr., a sign painter for Maintenance & Operations, has received his 25-year chair from the University.

He has been a painter, furniture finisher and letterer since he began his employment with Penn State on March 1, 1954. For the past 11 years, however, he has done only signs and lettering. Together with his

Nearly 250 manuscripts of the philosopher, Ernst Cassirer, had been kept since his death in 1945 in two cardboard boxes and a suitcase, first at the home of his friend, Charles Hendel, and later at the Beinecke Rare Book and Manuscript Library at Yale University. Although Cassirer is one of the most widely read philosophers of this century, the papers had never been fully examined because they were thought to be manuscripts of published work.

However, since 1972 Dr. Donald P. Verene, associate professor of philosophy, has been studying, verifying, cataloguing and translating the lectures and essays, and he has found among them a number of previously unpublished works. Dr. Verene has edited 12 of those works for a collection published by the Yale University Press under the title, *Symbol, Myth, and Culture: Essays and Lectures of Ernst Cassirer, 1935-45*.

Of special interest are manuscripts that present Cassirer's analysis of Nazi Germany; being Jewish, he had to leave his native Germany in 1933. Other topics covered in the papers include Cassirer's philosophy of culture, language, art and politics, and his insights on other thinkers, including Hegel and the Italian philosopher, Giambattista Vico. Part of one of the essays included in Dr. Verene's book was written on the morning of Cassirer's death.

Because so much of the material is new, the book is being presented by Yale University Press, which now owns the papers, as a new introduction to Cassirer through his own words.

A new book, *Life Span Development: A Reader*, co-edited by Dr. Judith N. Hornblum, assistant professor of human development; Dr. Esther Kamisar, assistant professor of educational psychology; and Dr. Lita Schwartz, professor of educational psychology (all at Ogontz Campus), has just been published by Gunn Cinnott Publishing Co., Lexington, Mass.

Retirements

Sharp M. McElwain, associate professor of engineering at the Beaver Campus, retired Dec. 1 after 13 years on the faculty.

Before joining Penn State, he was a mechanical engineer with Joseph F. Bontempo and Associates and with Green Engineering Company, and a special engineer with American Bridge Division, U.S. Steel.

Mr. McElwain earned his B.S. from Penn State in 1940. He is a registered professional engineer and a qualified instructor (O.C.D.) of Environmental Engineering.

superior, Mr. Guelich makes the Penn State seal — from two to six feet in diameter.

This past term, he completed an art education course at the University in jewelry making and repair.

A Phillipsburg resident, he and his wife, Jean, have four sons and seven grandchildren.

Edwin T. Irwin, a lead carpenter for Maintenance & Operations, has received his 25-year chair from the University.

Mr. Irwin worked as a carpenter "A" for 20 years after beginning employment with Penn State on Nov. 1, 1954. Five years ago, he was promoted to his present post, in which he oversees the work of other carpenters.

A Houtzdale resident, Mr. Irwin spends his off-duty hours working with wood. He fashions small furniture pieces and accessories, and transforms pine roots into plaques and other articles.

He and his wife, Ruth, have four married daughters and four grandchildren.

Promotions

Faculty

Dennis J. Murphy to assistant professor of agricultural engineering extension.

Staff Exempt

Mildred R. Dell to supervisor, printing services at Capitol Campus.

Mary Kay Falk to assistant director for Continuing Education at Delaware County Campus.

Joseph C. Kissell to assistant to the dean of Student Affairs at Altoona Campus.

James E. Matinchek to maintenance supervisor at Capitol Campus.

Staff Non-Exempt

Rick J. Beckley to critical care monitoring technician at Hershey.

Clerical

Carol Ann Barner to clerk, data processing A in Physical Plant.

Stephanie J. Ebeling to secretary B in Human Development.

Nancy L. Heaton to clerk, billing A in Student Affairs.

Harriet F. Hillard to senior clerk-CWSP in Student Administrative Services.

Amy M. Leitch to clerk, typist A in Agriculture.

Sandra Lee Lowery to clerk A in Agriculture.

Sharon Ridgway to clerk, typist A in Business Administration.

Kathy M. Rockett to secretary A in Science.

Susan Runk to secretary B in President's Office.

Eleanor Sagnuller to senior clerk-GSL in Student Administrative Services.

Peggy L. Stewart to clerk, analysis A in Student Administrative Services.

Technical Service

William E. Atkins to heating and ventilating technician apprentice in Physical Plant.

Neil P. Cusack to maintenance worker gen. A at Hazleton Campus.

Sheryl A. Dorman to senior milk testing machine operator in Agriculture.

Steven A. Pagano to utility and relief worker in Business Services.

Donald R. Peterson to food preparer B in Housing & Food Services.

Frances Porter to maintenance worker, utility at Capitol Campus.

John P. Reish to heating & ventilating technician apprentice in Physical Plant.

Gloria D. Sigel to senior milk testing machine operator in Agriculture.

Obituaries

C. Melvin Barto, a storekeeper in the College of Earth and Mineral Sciences from 1945 until his retirement in 1964, died Nov. 16. A Marengo, PA, native, he was 73 years of age.

Miles S. Wingard, a residence hall worker in Housing and Food Services from 1951 until 1971, died Nov. 26. Mr. Wingard, who retired on disability, was born in Spring Mills, PA, April 28, 1911.

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University Park Calendar

Dec. 6-16

Special Events

Thursday, Dec. 6

Sports: swimming (women) vs. Clarion, 7 p.m.
GSA Workshop, Holiday Wrapping and
Ornaments, 7:30 p.m., Room 101 Kern.
Anthropology Dept. Film and Lecture, 8 p.m.,
Room 112 Kern. John Marshall,
documentary filmmaker, premieres his film
of a Bushman woman, "Nai of the Ikung
San."
URTC, *You Can't Take It With You*, 8 p.m.,
The Pavilion Theatre.
Artists Series, Scotland's Highland regiment,
The Black Watch, 8:30 p.m., Rec. Hall.



Each dough sculpture will be one of the international crafts demonstrated as part of Holiday Festival VI at noon on Dec. 11 in Kern Graduate Building.

Friday, Dec. 7

USG Flea Market, 10 a.m.-5 p.m., HUB
Ballroom.
HUB Craft Center class registration, noon-5
p.m., Room 312 HUB, through Dec. 18.
Geography Dept. Coffee Hour, 3:45 p.m., Room
319 Walker. James McClure, College of
Agriculture and sometime member, State
College Borough Council, on "Eight Years
on Borough Council: The Reflections of an
Aspiring Idiots."
Commonplace Theatre, *The Magic Flute*, 6:30
and 8:45 p.m., Room 112 Kern.
URTC, *You Can't Take It With You*, 8 p.m.,
The Pavilion Theatre.
Mieja Ahn, piano, 8:30 p.m., Music Bldg.
Recital Hall.

Saturday, Dec. 8

Sports: fencing (women), Alumnae Open, 9
a.m., (men) vs. Pace, 2 p.m.; bowling (men
and women) vs. Bloomsburg, 1 p.m.;
wrestling vs. West Virginia, 2 p.m.;
swimming and diving (men) vs. St.
Bonaventure, 2 p.m.; basketball (men) vs.
West Virginia, 8:10 p.m.
USG Flea Market, 10 a.m.-5 p.m., HUB
Ballroom.

Holiday Festival VI, Tree Lighting Ceremony,
4:30 p.m., foot of Mall.

France-Cinema, *Allegro non troppo*, 7 and 9
p.m., Room 112 Kern.

Lutheran Parish, "For the Time Being," 8 p.m.,
Eisenhower Chapel.

URTC, *You Can't Take It With You*, 8 p.m.,
The Pavilion Theatre.

IAHS, Rajmund Klekot, Polish mime artist, in
"The Wanderer," premiere performance,
8:30 p.m., Schwab.

Sunday, Dec. 9

Sports: fencing (women), Alumnae Open, 9 a.m.
University Chapel Service, 11 a.m., Eisenhower
Chapel. Christmas Carol Sing-In.
Holiday Festival VI, International Fair —
International food, crafts, art exhibits, live
music and films, noon-6 p.m., HUB
Ballroom.

State College Quarterback Club Banquet, 1 p.m.,
Rec. Hall. Pa. Governor Richard
Thornburgh, Pittsburgh Pirates' Willie
Stargell and PSU football coach Joe Paterno,
speakers.

France-Cinema matinee, *Allegro non troppo*, 2
and 4 p.m., Room 112 Kern.

5th Annual Messiah "Sing-In," 3 p.m.,
Eisenhower Auditorium.

Commonplace Theatre, *The Magic Flute*, 6:30
and 8:45 p.m., Room 112 Kern.

PSU Glee Club and Cornell University Women's

Glee Club, Christmas Concert, 7:30 p.m.,
Music Bldg. Recital Hall.

Monday, Dec. 10

Late registration deadline.
Add deadline.

Last date for March graduates to activate
diploma cards in Registrar's Office and pay
theses fees at Burrar's Office.

HUB Craft Center, Crash Crafts, 10 a.m.-
1 p.m., 7:30 p.m., daily through Dec. 14,
Room 312 HUB.

IAHS/German Dept., Wolfgang Kohlhase, East
German writer and film director, reads from
his own works, 8 p.m., Room 124 Sparks.

Holiday Festival VI Concert, international
music, noon, Kern Lobby.

Projections/Connections Film, "Death in the
Morning," 12:15 p.m., Room 112 Kern.

Wednesday, Dec. 12

Holiday Festival VI, Christmas Crafts and Trim
the Tree Demonstrations, noon, HUB Main
Lounge.

Holiday Festival VI Concert, international
music, noon, Kern Lobby.

URTC, *You Can't Take It With You*, 8 p.m.,
The Pavilion Theatre.

Thursday, Dec. 13

Holiday Festival VI Concert, Phi Mu Alpha
Marimba Band, noon, Kern Lobby.

Brown Bag Performing Arts Hour, 12:30 p.m.,
HUB Assembly Hall. "Play in Progress."

International Candlelight Dinner, 4:45-6:45
p.m., HUB Terrace Room.

Penn State Dames meeting, 7:30 p.m., Room
101 Kern.

URTC, *You Can't Take It With You*, 8 p.m.,
The Pavilion Theatre.

Friday, Dec. 14

Holiday Festival VI Concert, Phi Mu Alpha
Brass Chorale, noon, Kern Lobby.

Geography Dept. Coffee Hour, 3:45 p.m., Room
319 Walker. Robert Scholten, geology, on
"Centre County and Global Tectonics."

International Candlelight Dinner, 4:45-6:45
p.m., HUB Terrace Room.

Commonplace Theatre, *Camelot*, 6:30 and 9:15
p.m., Room 112 Kern.

Holiday Festival VI, International Night,
performances by international students, 7
p.m., HUB Ballroom.

Folk and Square Dance Round Up, 7:30 p.m.,
Room 133 White Bldg.

URTC, *You Can't Take It With You*, 8 p.m.,
The Pavilion Theatre.

Kappa Alpha Theta Benefit Concert, 8:30 p.m.,
Music Bldg. Recital Hall.

Penn State Singers, *Amahl and the Night
Visitors*, 8:30 p.m., Eisenhower Auditorium.

Saturday, Dec. 15

Robeson Cultural Center, Children's Christmas
Party, 12:30-3 p.m., Walnut Bldg.

Penn State Singers, *Amahl and the Night
Visitors*, 2 p.m., Eisenhower Auditorium.

Sports: basketball vs. Syracuse, (women), 5:45
p.m., (men), 8:10 p.m.

Madrigal Dinner, 6:30 p.m., Room 102 Kern.

France-Cinema, *Donkey Skin*, 7 and 9 p.m.,
Room 112 Kern.

URTC, *You Can't Take It With You*, 8 p.m.,
The Pavilion Theatre.

Sunday, Dec. 16

University Chapel Choir Christmas Service, 11
a.m., Music Bldg. Recital Hall.

France-Cinema matinee, *Donkey Skin*, 2 and 4
p.m., Room 112 Kern.

Commonplace Theatre, *Camelot*, 6:30 and 9:15
p.m., Room 112 Kern.

Madrigal Dinner, 6:30 p.m., Room 102 Kern.

UCC, Southside Johnny and the Asbury Jukes,
8 p.m., Rec. Hall.

Seminars

Thursday, Dec. 6

Chemistry, Donald H. Levy, Univ. of Chicago,
on "Spectroscopy in Supersonic Molecular
Beams," 12:45 p.m., Room 333 Whitmore.

Physics, William Williams, Univ. of Michigan, on
"Neutral Current Interactions in Atomic
Hydrogen," 3:55 p.m., Room 445 Davey.

Mathematics, Howard Garland, Yale Univ., on
"Arithmetic Theory of Loop Groups," 4
p.m., Room 102 McAllister.

Computer Science, Daniel J. Paulish, Burroughs
Corp., on "A Fall-Soft Distributed
Processing System," 4 p.m., Room 333
Whitmore.

Monday, Dec. 10

Physics, Humphrey Maris, Brown Univ., on
"Theories and Anti-Theories of Thermal
Boundary Resistance," 11 a.m., Room 339
Davey.

Microbiology, Cell Biology, Biochemistry and
Biophysics, Jack Manloff, Univ. of
Rochester, "Replication of Mycoplasma
Virus: Phages Which Can Infect Peccaryotes
Without Cell Walls," 4 p.m., Room 101
Althouse.

Computation Center, Daniel L. Bernitt, senior
research associate, on "JCL (3 of 6)," 7:30
p.m., Room 112 Walker.

Tuesday, Dec. 11

Aesthetics, Criticism, and Interpretation Theory
Group, John M. Anderson, philosophy, on
"Art and Language," 4 p.m., Hotel State
College.

American Society for Metals, William A.
Nystrom, Stackpole Carbon Co., on
"Modern Industrial Applications of
Graphite Materials," 7:30 p.m., Room 301
Stieble.

A daily calendar of events is available around
the clock at 863-1100. For the latest information
on College of Arts and Architecture events,
telephone 563-1200.

Wednesday, Dec. 12

Philosophy of Sport, Ron Smith, physical
education, on "Winning in American and
England and a Theory of Competition in
Athletics," noon, Room 104 White.

Computation Center, Daniel L. Bernitt, on "JCL
(4 of 6)," 7:30 p.m., Room 112 Walker.

Thursday, Dec. 13

Chemistry, Ahmed H. Zewail, Cal. Institute of
Technology, on "Laser Induced Chemistry —
Is It Possible?" 12:45 p.m., Room 333
Whitmore.

Computer Science, Joseph Ja' Ja', computer
science, on "Time-Space Tradeoffs for Some
Algebraic Problems," 4 p.m., Room 325
Whitmore.

Friday, Dec. 14

Economics/Institute for Policy Research, Michel
Wasylencuk, economics, on "Empirical
Models and the Demand for Social Public
Goods," 2 p.m., Room 101 Kern.

Horticulture, J.E. Brewer, horticulture, on
"Horticulture in British Colleges and
Gardens," 3:55 p.m., Room 10 Tyson.

Exhibits

HUB Galleries: Zelko Kujundzic, recent

paintings, sculpture and ceramics, The
Gallery, Waskewich Galleries, prints,
through Dec. 7; Dianne Cissel, oil paintings,
opens Dec. 8; Browning Gallery, Holiday
Festival VI exhibit, Arts and Crafts from
Around the World, opens Dec. 8, Art Alley.

Kern Galleries: Janet I. Dougherty, prints and
drawings, through Dec. 16; Christmas Crafts
from around the World.

Museum of Art: French drawings from
European collections (the former Armand
Goblet Collection) and Oriental works from
the permanent collection.

Pattée Library: "Intentions," photographs by
four State College residents, East Corridor
Gallery; Rose Shumskas, drawings, Lending
Services Lobby.

Visual Arts Bldg. Zoller Gallery: Student
architectural drawings and models, opens
Dec. 9.



Daughter Essie gives her all to ballet lessons in URTC production.

"You Can't Take It With You"
continues at Pavilion

You Can't Take It With You, Penn State
University Resident Theatre Company's
second presentation, will continue at the
Pavilion through Dec. 15. The production
features a cast of student and professional
performers and is directed by David
Dannenberg, m of the Department of
Theatre and Film. Curtain is at 8 p.m.

George Kaufman and Moss Hart's
award winning comedy (Pulitzer Prize as a
play, Oscar as a movie) centers around the
idiosyncrasies of the Sycamore family.

They live by the philosophy that people
should experience as full and free a life as
possible because you can't take it with you.

To make reservations for a night with
the Sycamores, call the URTC box office at
865-1884 from 10 a.m.-6 p.m. Mondays
and 10 a.m.-9 p.m. Tuesdays through
Saturdays.



Mime Raymond Klekot appears Dec. 8.

Campus Update

A new endowment fund "to support and enhance" the academic program at Behrend College has been established by the Behrend College Advisory Board, according to Director Irvin H. Kochel. The fund was set up with a \$5,000 contribution by the Board and has recently been more than tripled by a bequest from a former Advisory Board member.

Norman W. Wilson, former president and board chairman of Hammill Paper Company, bequeathed the funds to the Advisory Board, which in turn designated them for the new endowment fund at the annual fall meeting. Mr. Wilson, who had served on the Behrend College Advisory Board from 1959 until his death this past July, previously contributed the Pavilion in the Wilson Picnic Grove on the Behrend College campus.

The Wilson bequest was allocated to the new endowment fund by the Advisory Board with the express purpose of establishing a cultural or academic lecture or performance series to be named in honor of the donor.

For the third consecutive year, The New Kensington Campus has increased its level of funding from The Pennsylvania Department of Vocational Education, Campus Director Robert Arbuckle has announced. The money will support retraining in technology areas for unemployed workers and for college students.

Two associate degree programs have already been established through these grants. The first, in Biomedical Equipment Technology, has now graduated 12 students. A Mining Technology program will graduate its first class next May. Since 1977-78 the Vocational Education grants have risen from \$47,437 to this year's \$123,085 award.

The Schuylkill Campus recently won the runner-up award in the Pocono Northeast Community Awards Program. The Campus submitted a scrapbook detailing the physical renovations of the past year.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1372 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Dec. 13, 1979. DD NDT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ASSISTANT SUPERVISOR, COMPUTER AND DISBURSEMENT AREA-Management Services, University Park - Responsible to the Supervisor, Computer and Disbursement Operations, for the completion of scheduled work, assigning work, training and assisting operators, operating computer and for assisting in the determination of errors in job runs. Supervise and assure the training of application control specialists, console operators and computer operators. Schedule and distribute work assignments.

Direct the shift personnel and be responsible for the computer throughput. Technical training in data processing equivalent to two years of college, plus two to four years of effective experience. Data processing supervisory experience is desirable. Must be willing to work any of three shifts.

SYSTEMS AND APPLICATIONS PROGRAMMER-College of Medicine, Hershey - Responsible to the Manager of Programming and Systems for translating systems analysts' designs and instructions into computer programs which control the processing of data within the computer. Bachelor's degree with 2-4 years of effective programming experience or associate degree with 4-6 years of effective programming experience is required.

COLLEGE HEALTH NURSE-Delaware County Campus - Responsible administratively to the Dean of Student Affairs and professionally to the Administration of the University Health Services through the Director of Nursing Services for providing nursing care to the student body, including treatment of minor and temporary illnesses and accidents, plus making appointments and referring students and employees to a physician or hospital when necessary and appropriate. Graduate of an accredited nursing program or its equivalent and current licensure in Pennsylvania as a registered nurse, plus 6 to 9 months of effective experience in public health nursing or other related institutional nursing experience.

Manfred Kroger
Professor of Food Science

ANSWER: When the dental plan was installed at the University in January, 1979, several thousand dental claim forms were distributed to dentists in the University Park area through the Centre County Dental Society. Forms were also made available to Campuses throughout the State. Many of the local dentists have had their supplies replenished. Ask your dentist to contact the Employee Benefits office, Room 133 Willard Building, to secure a supply of claim forms.

William F. Batchelor
Manager, Employee Benefits Division

Eligibility to receive Unemployment Compensation payments is based on the law and not on an individual's need, and payments are made only to persons who qualify. Determination of eligibility is made by the Unemployment Division of the State Office of Employment Security. The University does not determine eligibility. Mr. Kidder emphasizes.

It is the responsibility of the employee to make application for benefits to the State agency. Questions about eligibility and payment amount should be directed to the local Office of Employment Security.

Unemployment Compensation explanation presented

The University has been a covered employer under the Pennsylvania Unemployment Compensation Law since Jan. 1, 1972. Robert L. Kidder, manager of the Employment Division, points out.

Unemployment Compensation is a form of job insurance, he explains. It protects individuals against complete loss of income if they become unemployed through no fault of their own and are realistically attached to the labor market.

Unemployment Compensation Insurance is completely separate from the insurance commonly termed "Social Security," which protects individuals and their eligible dependents against loss of earnings upon retirement or death.

While employees and employers each help pay for Social Security, this is not the case with Unemployment Compensation, Mr. Kidder notes. Under the law, employers pay the total cost of providing Unemployment Compensation Insurance for their employees. Individual employees do not pay any of the cost.

Funding Sources

For further information, call 865-1372 (Network 8-475-1372)

(327-1) Doctoral dissertation research grant proposals in the organization, delivery, and financing of health care services are funded by the HEW National Center for Health Services Research. Applicants must have completed all but the dissertation requirement and be enrolled in a doctoral program in the social, medical, management, or health sciences. Support is limited to \$20,000 for one year. The next two deadlines are Feb. 15 and Oct. 15, 1980, with awards following each date by four months. Call (202) 426-8970 for information.

(327-2) Postdoctoral research and short-term travel grants are available from the US-Spanish Joint Committee for Scientific and Technological Cooperation. Areas of research funded include: agriculture, natural resources, oceanography, environment, urban and regional planning, industrial technology, energy, biomedical sciences, and basic sciences. (Ref. 44 FR 6743, 11/27/79)

(327-3) Sigma Xi, the scientific research society, has funds available to graduate students (or research). The amount of these grants will vary. It is not necessary to be a member of Sigma Xi to receive a grant-in-aid. Application forms are available upon request. Contact Roberts Beebe, 222-A Hammond Building, 865-1317 or 466-7163 for more information. The completed forms are sent directly to Sigma Xi headquarters, 345 Whitney Avenue, New Haven, Connecticut 06511.

HPER Recreational Hours for First Five Weeks of Winter Term

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
IM BUILDING	11:10 AM - 12:25 PM 3:35 - 6:45 PM 9:15 - 11:00 PM	11:00 AM - 6:45 PM 9:15 - 11:00 PM	11:10 AM - 12:25 PM 3:35 - 6:45 PM 9:15 - 11:00 PM	11:10 AM - 6:45 PM 9:15 - 11:00 PM	11:10 AM - 12:25 PM 3:35 - 11:00 PM	11:00 AM - 11:00 PM	8:00 AM - 11:00 PM
Gym I	8:00 AM - 6:00 PM 9:30 - 11:00 PM	8:00 AM - 6:00 PM	8:00 AM - 6:00 PM 9:30 - 11:00 PM	8:00 AM - 6:00 PM	8:00 AM - 11:00 PM	8:00 AM - 11:00 PM	8:00 AM - 11:00 PM
Gym II	11:10 AM - 12:25 PM 2:00 - 6:45 PM 9:15 - 11:00 PM	8:00 AM - 6:45 PM 9:15 - 11:00 PM	11:10 AM - 12:25 PM 2:00 - 6:45 PM 9:15 - 11:00 PM	8:00 AM - 6:45 PM 9:15 - 11:00 PM	11:10 AM - 12:25 PM 2:00 - 11:00 PM	8:00 AM - 11:00 PM	12:00 Noon - 11:00 PM
Gym III	11:10 AM - 12:25 PM 3:35 - 11:00 PM	11:00 AM - 11:00 PM	11:10 AM - 12:25 PM 3:35 - 11:00 PM	11:00 AM - 11:00 PM	11:10 AM - 12:25 PM 3:35 - 11:00 PM	11:00 AM - 11:00 PM	8:00 AM - 11:00 PM
Weight Room	9:15 AM - 12:25 PM	11:00 AM - 5:00 PM 9:00 - 11:00 PM	9:15 AM - 12:25 PM 9:30 AM - 11:00 PM	11:00 AM - 5:00 PM 9:00 - 11:00 PM	9:15 AM - 12:25 PM 3:30 - 11:00 PM	11:00 AM - 11:00 PM	8:00 AM - 1:00 PM 4:00 - 11:00 PM 8:00 AM - 11:00 PM
Wrestling Room	9:30 AM - 12:30 PM 3:30 - 11:00 PM	11:00 AM - 11:00 PM	9:30 AM - 12:25 PM 3:30 - 11:00 PM	11:00 AM - 11:00 PM	9:30 AM - 12:30 PM 3:30 - 11:00 PM	11:00 AM - 11:00 PM	8:00 AM - 11:00 PM
Jogging Track	3:30 - 6:30 PM 9:00 - 11:00 PM	12:30 - 6:30 PM 9:00 - 11:00 PM	3:30 - 6:30 PM 9:00 - 11:00 PM	12:30 - 6:30 PM 9:00 - 11:00 PM	3:30 - 11:00 PM	12:30 - 11:00 PM	8:00 AM - 11:00 PM
Racquetball Cts.	11:10 AM - 12:25 PM 8:00 - 11:00 PM	8:00 - 9:00 AM 9:30 AM - 2:30 PM 8:00 - 11:00 PM	11:10 AM - 12:25 PM 8:00 - 11:00 PM	8:00 - 9:00 AM 9:30 AM - 2:30 PM 8:00 - 11:00 PM	11:10 AM - 12:25 PM 8:00 - 11:00 PM	8:00 - 9:00 AM 9:30 AM - 11:00 PM	8:00 AM - 11:00 PM
Main Gym	9:30 - 11:00 PM	12:30 - 6:30 PM 9:00 - 11:00 PM	11:10 AM - 12:25 PM 3:30 - 6:30 PM 9:00 - 11:00 PM	9:30 - 11:00 PM 12:30 - 6:30 PM 9:00 - 11:00 PM	6:00 - 11:00 PM 3:30 - 11:00 PM	12:30 AM - 11:00 PM	8:00 AM - 11:00 PM
South Gym	11:10 AM - 12:25 PM 3:30 - 6:30 PM	12:30 - 6:30 PM 9:00 - 11:00 PM	11:10 AM - 12:25 PM 3:30 - 6:30 PM 9:00 - 11:00 PM	9:30 - 11:00 PM 12:30 - 6:30 PM 9:00 - 11:00 PM	6:00 - 11:00 PM 3:30 - 11:00 PM	12:30 - 11:00 PM	8:00 AM - 11:00 PM
Squash Cts.	9:00 - 11:00 PM	12:30 - 11:00 PM	11:10 AM - 12:25 PM 3:30 - 11:00 PM	12:30 - 11:00 PM	11:10 AM - 12:25 PM 3:30 - 11:00 PM	12:30 - 11:00 PM	8:00 AM - 11:00 PM
Racquetball (New)	11:10 AM - 11:00 PM	8:00 AM - 11:00 PM	8:00 - 11:00 PM	8:00 AM - 11:00 PM	8:00 AM - 11:00 PM	8:00 AM - 11:00 PM	8:00 AM - 11:00 PM
Racquetball (Old)	8:00 - 11:00 PM	12:25 - 2:00 PM 3:00 - 10:00 PM	11:10 AM - 12:25 PM 6:00 - 11:00 PM	12:25 - 2:00 PM 3:00 - 10:00 PM	11:10 AM - 12:25 PM 6:00 - 11:00 PM	1:00 - 7:00 PM	8:00 AM - 11:00 PM 10:00 AM - 12 Noon 6:00 - 11:00 PM 1:00 - 11:00 PM
Weight Room	6:00 - 11:00 PM	3:00 - 10:00 PM	6:00 - 11:00 PM	3:00 - 10:00 PM	6:00 - 11:00 PM	1:00 - 11:00 PM	9:00 AM - 11:00 PM
Bowling Alleys	11:00 AM - 12:30 PM 8:00 - 11:00 PM	8:00 AM - 2:30 PM 8:00 - 11:00 PM 5:30 - 11:00 PM	11:00 AM - 12:30 PM 8:00 - 11:00 PM 3:35 - 11:00 PM	8:00 AM - 2:00 PM 8:00 - 11:00 PM 3:35 - 11:00 PM	11:00 AM - 12:30 PM 8:00 - 11:00 PM 3:35 - 11:00 PM	8:00 AM - 11:00 PM	8:00 AM - 11:00 PM
Jogging Track	8:00 - 9:30 AM 12:30 - 2:00 PM 5:10 - 11:00 PM	8:00 AM - 11:00 PM	8:00 - 9:30 AM 12:30 - 2:00 PM 5:10 - 11:00 PM	8:00 AM - 11:00 PM	8:00 - 9:30 AM 12:30 - 2:00 PM 5:10 - 11:00 PM	8:00 AM - 11:00 PM	8:00 AM - 11:00 PM
WHITE BUILDING	3:35 - 11:00 PM	5:30 - 11:00 PM	3:35 - 11:00 PM	3:35 - 11:00 PM	3:35 - 11:00 PM	1:00 - 11:00 PM	9:00 AM - 11:00 PM
North Gym	8:00 - 9:30 AM 12:30 - 2:00 PM 5:10 - 11:00 PM	8:00 AM - 11:00 PM	8:00 - 9:30 AM 12:30 - 2:00 PM 5:10 - 11:00 PM	8:00 AM - 11:00 PM	8:00 - 9:30 AM 12:30 - 2:00 PM 5:10 - 11:00 PM	8:00 AM - 11:00 PM	8:00 AM - 11:00 PM
Squash Courts	7:00 - 10:00 PM	7:00 - 10:00 PM	7:00 - 10:00 PM	7:00 - 10:00 PM	7:00 - 10:00 PM	1:00 - 10:00 PM	1:00 - 10:00 PM
Swimming Pool	8:00 AM - 12:00 PM 12:00 - 1:00 PM	8:00 - 12:00 PM 12:00 - 1:00 PM	8:00 AM - 12:00 PM 12:00 - 1:00 PM	8:00 - 12:00 PM 12:00 - 1:00 PM	8:00 AM - 12:00 PM 12:00 - 1:00 PM	8:00 AM - 11:00 PM	12:00 - 3:00 PM 3:00 - 11:00 PM 2:30 - 10:00 PM
Room 133	8:00 AM - 12:00 PM 12:00 - 1:00 PM	8:00 - 12:00 PM 12:00 - 1:00 PM	8:00 AM - 12:00 PM 12:00 - 1:00 PM	8:00 - 12:00 PM 12:00 - 1:00 PM	8:00 AM - 12:00 PM 12:00 - 1:00 PM	8:00 AM - 11:00 PM	12:00 - 3:00 PM 3:00 - 11:00 PM 2:30 - 10:00 PM
NATATORIUM	6:00 - 10:00 PM	6:00 - 10:00 PM	6:00 - 10:00 PM	6:00 - 10:00 PM	6:00 - 10:00 PM	1:00 - 10:00 PM	2:30 - 10:00 PM
SKATING RINK	8:00 AM - 12:00 PM 12:00 - 1:00 PM	8:00 - 12:00 PM 12:00 - 1:00 PM	8:00 AM - 12:00 PM 12:00 - 1:00 PM	8:00 - 12:00 PM 12:00 - 1:00 PM	8:00 AM - 12:00 PM 12:00 - 1:00 PM	8:00 AM - 11:00 PM	12:00 - 3:00 PM 3:00 - 11:00 PM 2:30 - 10:00 PM
PLATFORM TENNIS	8:00 AM - 12:00 PM 12:00 - 1:00 PM	8:00 - 12:00 PM 12:00 - 1:00 PM	8:00 AM - 12:00 PM 12:00 - 1:00 PM	8:00 - 12:00 PM 12:00 - 1:00 PM	8:00 AM - 12:00 PM 12:00 - 1:00 PM	8:00 AM - 11:00 PM	12:00 - 3:00 PM 3:00 - 11:00 PM 2:30 - 10:00 PM

Note: This schedule is subject to change as special events must be accommodated. You can check by calling the IM Building (5-5401), White Building (5-7591), Natorium (5-1532), Ice Rink (5-4102) and Rec Hall (5-2162).

Penn State Intercom

News in Brief

New plan would change Terrace Room to bookstore

The University has announced plans to transform the entire Terrace Room — the triangular building at the HUB's southeast corner — into the University bookstore. The Terrace Room's food service operations would be transplanted to the ground floor of the HUB.

The plan, contingent upon approval by the Board of Trustees in January, is to combine the three Campus bookstores under one roof without building a new facility, according to Ralph E. Zilly, vice president for business.

At present, one bookstore is located in McAllister Building, another on the ground floor of the HUB and the third on the first floor of the HUB. The arrangement creates congestion and hampers operational efficiency and customer convenience, Mr. Zilly said.

The entire ground floor of the HUB would be altered to accommodate a variety of food service areas, including space for games and game tables. The various offices located on the HUB's ground floor would be moved upstairs.

Administrators envision the proposed ground floor food service areas as holding 300 more seats than the combined number currently available at the Lion's Den and Terrace Room.

HUB to offer crafts classes

The winter session at the HUB Craft Centre will run from Jan. 6 to Feb. 14. Classes will be offered in batik tie-dye, wheel and hand-built pottery, weaving and stained glass. Registration for this session will be held through Dec. 18 from noon to 5 p.m. daily in Room 312 HUB.

Libraries to close for recess

The University Libraries will be closed Saturday, Dec. 22 through Tuesday, Jan. 1, for the holiday recess.

Pollock Library will close at 5 p.m. Dec. 19, and will re-open Jan. 2. Other libraries will be open from 7:45 a.m. until 10 p.m.



Fraser Kershaw, a part-time student at Penn State, relies on the wind and a parafoil to get his abstract Christmas tree kite aloft, while Linda Patille, a production assistant in Publications, trims the office tree in traditional fashion.

Dec. 19, and 5 p.m. Dec. 20 and 21.

Individuals can take out materials for the recess until Friday, Dec. 21, but are urged to avoid a last-minute rush by doing so earlier. Certain materials which do not ordinarily circulate can be checked out for the holiday period after 3 p.m. on Dec. 21. These special permission loans must be returned by 10 a.m. on Jan. 2.

The Libraries will resume regular Winter Term hours Wednesday, Jan. 2.

Energy Fast Day endorsed

The University's Executive Energy Conservation Committee has endorsed the "Energy Fast Day" planned by Eco-Action for Sunday, Dec. 16.

The purpose is to show the public that

conservation is not difficult to practice, according to J. Carroll Dean, manager of energy conservation programs at the University. A checklist of potential areas for energy conservation will be distributed prior to Energy Fast Day, he said.

Madrigal dinner is slated

The Sixth Annual Madrigal Dinner sponsored by the Kern Graduate Commons will be held at 6:30 p.m. on Saturday and Sunday, Dec. 15 and 16.

Room 102 Kern will be transformed into a 16th Century castle with decorations, banners, coats-of-arms and suits of armor. The king and his court of ladies, jesters and musicians will preside over the festive feast observing court "rules of curtesy

and etiquette."

A full beef dinner with plum pudding and other royal treats will follow the fanfares and traditional Wassail toast. Entertainment will be provided by singers, jugglers, minstrels, jesters, brass choral and herald trumpeters.

Tickets are available now at Kern Information Desk. For further details, call 865-1878.

'Amahl and the Night Visitors' to be presented Dec. 14-15

Amahl and the Night Visitors, the Christmas opera by Gian Carlo Menotti, will be presented by the Penn State Singers at 8:30 p.m. Friday, Dec. 14, and again at 2 p.m. Saturday, Dec. 15, in Eisenhower Auditorium.

The opera tells the story of a crippled shepherd boy who encounters the Magi as they seek the Christ child. When the boy offers his crutch as a gift for the new baby, he is healed and the story ends on a happy note.

Raymond Brown, professor of music and director of the Singers and the University Choirs, will conduct the performances. The production has been staged by Kimberly Wolfe, a graduate student in the School of Music.

Accompaniment will be provided by an orchestra of students and faculty. Tickets for *Amahl and the Night Visitors* are on sale at the Eisenhower Auditorium box office daily from 10 a.m. until 4 p.m. They will also be available at the door before performances.

Holidays International Dinner Thursday and Friday at HUB

A "Holidays International" candlelight dinner will be held from 4:45 to 6:45 p.m. Dec. 13 and 14 at the HUB Terrace Dining Room.

In keeping with the International Week theme on campus, the menu will feature

(Continued on page 4)

Senate will discuss legislative proposal on advising

At its Dec. 18 meeting, the University Faculty Senate will discuss a legislative proposal from the Subcommittee on the Role of the Adviser. The proposal, which contains three recommendations, is scheduled for action at the Senate's Feb. 5 meeting, the January meeting having been cancelled.

The Subcommittee's report emanates from a decision made at the Sept. 7, 1978, Senate meeting, at which the Committee on Academic and Athletic Standards was charged with reviewing reports from previous committees concerning the role of the adviser and to prepare a legislative report based upon that review.

In the proposal's introduction, the Subcommittee states: "After almost twenty years, the recommendations of many Senate Committees about advisement remain tenuous and their enforcement whiney."

The draft of the Subcommittee's proposal, unanimously endorsed by the Committee on Academic and Athletic Standards, is supplemented by data from the Everett Report, "An Analysis of

Student Attrition at Penn State," and from pertinent sections of the draft form of "A Perspective for the '80s." The Everett Report notes, for instance, that reducing attrition "... could augment tuition income by as much as \$10 million annually. Effective advisement is one of the ways of reducing attrition."

Thus, the Subcommittee's first recommendation is that "University policy on promotion and tenure (PS-23) be modified to include academic advising as a systematic and important area of faculty responsibility and one which will be evaluated in relationship to promotion and the granting of tenure."

The second recommendation concerns changes and additions to Section 32 of *Academic Policies and Procedures for Undergraduate Students*. Section 32-10, "Function of Advising," is redefined slightly to accommodate a new section, 32-20, which describes the general goals and components of academic advising. Section 32-30 remains the same. A new section, 32-40, has been added to delineate the responsibilities of advisers and students:

32-40 NATURE OF THE ACADEMIC ADVISING PROCEDURE

THE ROLE OF THE ACADEMIC ADVISER THROUGHOUT THESE ACADEMIC POLICIES AND PROCEDURES FOR UNDERGRADUATE STUDENTS IS CONSULTATIVE IN NATURE. CONSULTATION IS DESIGNED TO ENGAGE ADVISER AND ADVISEE IN ALL APPLICABLE COMPONENTS OF ACADEMIC ADVISING. IN ANY ACADEMIC ADVISING PROGRAM, SOME STUDENTS PROPOSE ACTIONS WITH WHICH THE ACADEMIC ADVISER CANNOT AGREE. IN SUCH CASES, ADVISERS ARE RESPONSIBLE FOR INFORMING STUDENTS OF THE APPROPRIATE COURSE OF ACTION. NEVERTHELESS, FINAL DECISIONS RELATIVE TO COURSE SCHEDULING AND PROGRAM PLANNING ARE THE STUDENTS'; THEY MUST ASSUME PRIMARY RESPONSIBILITY FOR DECISIONS, PARTICULARLY WHEN THESE ARE INCONSISTENT WITH THE REQUIREMENTS OF THE CHOSEN MAJOR AND COLLEGE.

1. RESPONSIBILITIES OF THE ADVISER
 - a. TO BE KNOWLEDGEABLE ABOUT PROGRAM (S) IN WHICH HE/SHE ADVISES.
 - b. TO INFORM THE ADVISEE OF DEGREE REQUIREMENTS.
 - c. TO COMMUNICATE AND EMPHASIZE THE ADVISEE'S RESPONSIBILITY FOR SATISFYING DEGREE REQUIREMENTS.

(Continued on page 4)

Penn Staters

The National Weather Association has presented Dr. John C. Cahill, associate professor of meteorology, its 1979 Award for Contributions to the Advancement of Applied Meteorology. The award, which was made at the Association's annual meeting in Denver on Nov. 29, recognizes Dr. Cahill's research in the use of the minicomputer in weather forecasting.

Dr. Rustum Roy, chairman of the Science, Technology and Society program, was one of 18 scientists and philosophers invited by the Vatican to the first Colloquium Romanum, an effort to relate the perspectives of science and technology to religious insight. During the Colloquium, held Nov. 10-12, Pope John Paul II called a special meeting with the group to discuss its task and findings. In addition, Dr. Roy delivered the Centenary Hibbert Lectures in London Nov. 13-15. His topics were, "Reality Technology, A New Meeting Ground for Science and Religion," "The Dice-Playing God: Was Einstein Wrong?" and "Situation Theology: Religious Hegemony for Technological Power." He also presented the second lecture at Cambridge University under the auspices of the dean's once-a-term colloquium in Trinity College.

Dr. Margaret Mandrillo, associate professor of nursing, recently presented three invited lectures in Japan: "Curriculum Designs in Nursing Education," to the Aino Hospital Foundation's International Conference for Nurses, held in Osaka; "International Aspects of Nursing," to the Kobe Municipal School of Nursing; and "Nursing Theories and Nursing Curriculums," to the nursing education faculty at Keio University in Tokyo.

Dr. Henry J. Hermanowicz, dean of the College of Education, has been named to a three-year term on the Board of Trustees of the Joint Council on Economic Education. The Joint Council, headquartered in New York City, is dedicated to bringing an understanding of economics and the United States' economic system to educators throughout the nation. Board members include leaders from business, labor and education.

Pianist Steven H. Smith, associate professor of music, recently returned from a concert tour to Spain, France and equatorial Africa. The tour represented Prof. Smith's first appearance in France, where he performed in Conflans-St. Honorine and St. Germain en Laye, and in Africa, where he performed in Port-Gentil, Gabon. In Spain, he recorded two programs for the Spanish National Radio in Madrid.

Dr. Sumer C. Aggarwal, professor of management science and operations management, was recently the primary speaker for the Finnish Materials Management Association annual conference. His topic was "Materials Management Trends During the '80s."

Dr. Richard E. Tressler, associate professor of ceramic science and engineering, has been named to the board of editors of "Ceramurgia International," a scholarly journal that reports on work done in the areas of ceramic and glass engineering and science.

James Kelly, academic information program coordinator in the Division of Undergraduate Studies, has been elected president of the Northeast Region of Academic Affairs Administrators (AcAAd). Mr. Kelly was named program chairman for AcAAd's 15th annual conference ("The Freshman Year: Key to Academic Success") and was appointed to a two-year directorship within the national Association of Academic Affairs Administrators.



Dr. Leslie C. Hale, professor of electrical engineering, has been named the A. Robert Noll Distinguished Professor of Electrical Engineering. The second Penn State faculty member to hold the chair since its establishment in 1969, Dr. Hale will hold the Noll Professorship for five years.

Dr. Hale received his B.S., M.S., and Ph.D. degrees in electrical engineering from the Carnegie Institute of Technology. He joined the Penn State faculty in 1962 as an assistant professor, was promoted to associate professor in 1966 and to professor in 1969.

Before coming to Penn State, Professor Hale worked for the British Space Research Program and also had participated in early U.S. rocket and satellite programs. His research has involved sounding rocket exploration of the electrical properties of the "middle" atmosphere. His present research concerns the coupling of electric fields and currents and the movement of small "aerosol" particles through the atmosphere. He presented the results of a current project to the Quadrennial International Association of Geodesy and Geophysics assembly in Canberra, Australia, on Dec. 10.

Dr. Hale will begin his tenure as the Noll professor with an expedition to Kenya to study atmospheric processes during the solar eclipse in early 1980. Later next year, he will participate in a joint NASA-Norway effort to measure electrical phenomena in northern Norway.

Dr. Ossian MacKenzie, dean emeritus of the College of Business Administration, was one of five University of Montana alumni chosen to receive the 1979 Distinguished Alumnus Award. The award was presented during Montana's Homecoming weekend, Oct. 12-14.

Dr. Robert L. Shrigley, professor of education, has been named to a four-year term on the editorial advisory board of the Journal of Research in Science Teaching, the official journal for the National Association for Research in Science Teaching.

Two associate professors of community development have been elected to positions with the Association for Voluntary Action Scholars. Dr. Drew Hyman will serve as vice-president of the group and Dr. Larry Gamm on its board of directors. The Association is a professional organization concerned with research and development in the area of citizen participation and voluntary action.

Dr. Richard L. Gordon, professor of mineral economics, recently spoke at a Department of Energy symposium on coal resources/reserves information and was a panelist for a Library of Congress briefing on coal problems. He has also joined the editorial boards of Resources and Energy and the journals of the International Association of Energy Economists.

Dr. Thomas A. Hale, professor of French and comparative literature, has been elected to a two-year term on the Executive Committee of the Modern Language Association's Division on French Literature Outside Europe.

Dr. Vladimir S. Stubican, professor of materials science and engineering, was an invited lecturer of the NATO Advanced Study Institute on the Physics and Chemistry of Refractory Oxides, which took place in Aleria, Corsica, France. He discussed "The Application of Oxide Solid State Electrolytes." In October, Dr. Stubican was one of eight U.S. scientists selected by the National Science Foundation to participate in the U.S.-Japan joint seminar on Transport in Nonstoichiometric Compounds at Honolulu, Hawaii. His topic was "Phase Equilibria and Ordering of Defects in Oxygen Conducting Systems."

Lewis T. Poorman, senior research technologist with the Penn State Energy Extension Service, has been selected by the National League of Cities to work on the new energy hotline of the President's Clearinghouse for Community Energy Efficiency this month. The Clearinghouse is a resource center which local governments can call or write for information on community energy efficiency.

An exhibition of works by William D. Davis, assistant director of the University's Museum of Art, was recently held at the Sloan Gallery at Lock Haven State College. Twenty-one graphic drawings and prints, as well as several etchings and lithographs, comprised the exhibition. In conjunction with the show, Mr. Davis presented a gallery talk and a retrospective slide show of his works from the late 1950s to the present.

Bookshelf

Dr. Hubert L. Barnes, professor of geochemistry and director of EMS's ore deposits research section, is the editor of a new book, *Geochemistry of Hydrothermal Ore Deposits*, a comprehensive, state-of-the-art review of the processes by which ore deposits are formed by the action of hot aqueous fluids.

This is the second edition of the book. Published by Wiley-Interscience, it has been entirely rewritten and incorporates the major advances in the understanding of the ore-forming processes that have been developed in the decade since the first edition was published. The first edition was also edited by Dr. Barnes.

Penn State faculty members who authored or co-authored chapters in the book include Dr. C. Wayne Burnham, professor of geochemistry and head of the Department of Geosciences; Dr. A.W. Rose, professor of geochemistry; Dr. Hiroshi Ohmoto, professor of geochemistry; Dr. L.M. Cathles, associate professor of geosciences; and Dr. Barnes.

William H. Parsonage, associate professor of administration of justice, is editor of *Perspectives on Victimology*, a new volume published as part of the Sage Research Progress Series in Criminology.

The 160-page work provides an overview of victimology as a developing field of interest and an awareness of the kinds of issues on which victimologists focus.

Ten original essays are presented, covering three themes: the development of reliable crime and victimization data and the methodology to obtain such data; the characteristics of special types of offenders and victims; the assessment and development of strategies for dealing with some of the social and personal effects of crime and victimization.

Dr. John R. Hepburn, associate professor of administration of justice, is co-author of one of the essays: "Victimization, Fear of Crime, and Adaptive Responses Among High School Students."

Marx C. Levey, a counselor with the Educational Opportunity Program, is the principal author of two new books published by the American Photographic Book Publishing Co., Inc., New York.

Photography: Buying, Choosing, Using is a practical manual for the beginner, stressing the selection of correct equipment and discussing the results that can be expected.

Photography: Composition, Color, Display is both practical and aesthetically oriented, combining knowledge of composition, equipment, color theory, and photographic display.

Mr. Levey's co-authors are Margaret Hall, who received her B.A. in English from Penn State, and Samuel Kazdan, who received his Ph.D. in comparative literature from the University.

Obituaries

Dr. George P. Barron Jr., professor emeritus of nutrition and food safety, former assistant to the Vice President for Research and Graduate Studies and former director of the Pesticide Research Laboratory and Graduate Study Center, died of apparent smoke inhalation in a fire at his home, 2210 W. Whitehall Road, on Dec. 5.

Dr. Barron, 60, had retired April 1, 1979, from the College of Agriculture, for which he had taught and done research since 1948. He originally joined the faculty as an instructor of animal nutrition.

In 1963, he was named as head of the Department of Foods and Nutrition. In 1969, he was appointed as assistant to the Vice President for Research and Graduate Studies and as director of the Pesticide Research Center.

He had earned the B.S. in biology and an M.S. in biochemistry and nutrition from Texas A&M University. In 1953, he received the Ph.D. in animal nutrition from Penn State.

He was born Nov. 20, 1919, in Iola, Texas. University officials said he was planning to return to Texas, where members of his family reside.

Charles M. Beard, a painter with the Office of Physical Plant since 1969, died Dec. 3. He was born in Warm Springs, VA, on June 3, 1927.

Funding Sources

For further information, call 865-1372 (Network 8-475-1372)

(324)-Public Service Science Residencies are funded by the National Science Foundation to allow scientists and engineers to spend full- or part-time activity in association with organizations of citizens in need of their expertise. Applications may be submitted either by individuals or by the organization needing the resident. Up to 30 awards will be made in May 1980. The deadline for applications is Jan. 15, 1980. (Ref. SE 80-61) (File 1691-3)

(324)-The second LEAA Graduate Research Fellowship Program Competition for FY 1980 has a Jan. 2, 1980, deadline for concept papers. Awards are made to universities which administer the awards on behalf of the fellows. One year support is provided up to \$10,000. (Ref. Dept. of Justice, Law Enforcement Assistance Administration, 48 FR 69044, 11/30/79)

(324)-The NSF Science for Citizens program invites proposals for Forums, Conferences and Workshops and for Planning Studies. The former is to encourage scientists to participate in public activities where policy decisions need scientific assistance. Studies are to develop permanent community-based programs. The deadline for preliminary proposals is Jan. 15, 1980. (Ref. SE 79-63)

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University Park Calendar

Dec. 13-23

Special Events

Thursday, Dec. 13
International Candlelight Dinner, 4:45-6:45 p.m., HUB Terrace Room.
GSA, Otagami Ornaments Workshop, 7:30 p.m., Room 102 Kern.
URTC, You Can't Take It With You, 8 p.m., The Pavilion Theatre.

Friday, Dec. 14
Holiday Festival VI Concert, Phi Mu Alpha Brass Chorale, noon, Kern Lobby.
Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Robert Scholten, geology, on "Centre County and Global Tectonics."
International Candlelight Dinner, 4:45-6:45 p.m., HUB Terrace Room.
Commonplace Theatre, Camelot, 6:30 and 9:15 p.m., Room 112 Kern.
Holiday Festival VI, International Night — performances by international students, 7 p.m., HUB Ballroom.
Folk and Square Dance Round Up, 7:30 p.m., Room 133 White.
URTC, You Can't Take It With You, 8 p.m., The Pavilion Theatre.
Kappa Alpha Theta Benefit Concert, 8:30 p.m., Music Bldg, Recital Hall.
Penn State Singers, *Amahl and the Night Visitors*, 8:30 p.m., Eisenhower Auditorium.

Saturday, Dec. 15
Robeson Cultural Center, Children's Christmas Party, 12:30-3 p.m., Walnut Bldg.
Penn State Singers, *Amahl and the Night Visitors*, 2 p.m., Eisenhower Auditorium.
Sports: basketball w/ Syracuse, (women) 5:45 p.m., (men) 8:10 p.m.
Commons Madrigal Dinner, 6:30 p.m., Room 102 Kern.
France-Cinema, *Donkey Skin*, 7 and 9 p.m., Room 112 Kern.

URTC, *You Can't Take It With You*, 8 p.m., The Pavilion Theatre.

Sunday, Dec. 16
University Chapel Choir Christmas Service, 11 a.m., Music Bldg, Recital Hall.
France-Cinema matinee, *Donkey Skin*, 2 and 4 p.m., Room 112 Kern.
Commons Madrigal Dinner, 6:30 p.m., Room 102 Kern.
Commonplace Theatre, Camelot, 6:30 and 9:15 p.m., Room 112 Kern.
UCC, Southside Johnny and the Asbury Jukes, 8 p.m., Rec Hall.

Monday, Dec. 17
Pass/Fail.
Projections/Connections series, "Distant Voices," 12:15 p.m., Room 112 Kern.
Shakespeare videotape, BBC, *Richard II*, 6:30 p.m., Room 101 Chambers.
France-Cinema, *Donkey Skin*, 7 and 9 p.m., Room 112 Kern.
Sports: basketball (women) vs. Northwestern, 7 p.m.
Color Slide Club meeting, 7:30 p.m., Room 189 Materials Research Lab.

Tuesday, Dec. 18
Pass/Fail.
WPSX-TV documentary series, *Religion in Rural America*, "Go and I'll Be With You," noon, Kern Lobby.
University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.
Sports: wrestling w/ Auburn, 8 p.m.

Wednesday, Dec. 19
Drop deadline.
Pass/Fail.
Course repeat deadline.
Prerequisite deadline for Spring Term, 5:45 p.m., (men) 8:10 p.m.
Winter Term recess begins, 9:55 p.m.

Thursday, Dec. 20
Residence Halls close for Winter Term recess, 3 p.m.

Friday, Dec. 21
University offices close for holiday break, 5 p.m.
Offices reopen 8 a.m., Jan. 2.

Saturday, Dec. 22
Sports: football, vs. Tulane, Liberty Bowl Stadium, Memphis, Tenn. 1:30 p.m., ABC-TV.

Seminars

Thursday, Dec. 13
Population Issues Research Center, Jerome H. Wood, Jr., Swarthmore College, on "The Black Latins: Demography and Cultural Tradition," 3:30 p.m., Room 318 Willard (new listing).

Friday, Dec. 14
Analytical Chemistry, A.S. Kertes, Hebrew Univ., on "Microemulsions and Micellar Solubilization, 11:10 a.m., Room 333 Whitmore.

Economics/Institute for Policy Research, Michael Wasylewsky, economics, on "Empirical Models and the Demand for Social Public Goods," 2 p.m., Room 101 Kern.

Monday, Dec. 17
Microbiology, Cell Biology, Biochemistry and Biophysics, Graham Walker, MIT, on "Cellular Responses to DNA Damage," 4 p.m., Room 101 Allhouse.

Computation Center, Daniel I. Bernitt, senior research associate, on "JCL (5 of 6)," 7:30 p.m., Room 112 Walker.

Tuesday, Dec. 18
Surface Science, Al Vannice, chemical engineering, on "Simultaneous Infrared-Kinetic Studies of CO/H₂ Reactions Over

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1320.

Metal Catalysts," 11 a.m., Room 339 Davey.

Organic/Inorganic Chemistry, M. Levin, graduate student, on "Recent Advances in the Mechanism of Ziegler-Natta Catalysts," 12:45 p.m., Room 333 Whitmore.

Math Logic, Andreas Blass, Univ. of Michigan, speaker, 2:20 p.m., Room 106 McAllister.

Biology, Paul K. Strother, Harvard Univ., on "Microbial Diversity in the Precambrian," 4 p.m., Room 105 Ferguson.

Computation Center, Daniel I. Bernitt on "JCL (6 of 6)," 7:30 p.m., Room 112 Walker.

Exhibits

Chambers Gallery: Kenneth R. Beittel, ceramics, through Dec. 19.

HUB Galleries: Zelko Kujundzic, recent paintings; sculpture and ceramics. The Gallery, Dianne Cisel, oil paintings.

Browsing Gallery, Holiday Festival VI exhibit, Arts and Crafts from Around the World, Art Alley, All exhibits through Dec. 19.

Kern Galleries: Janet I. Dougherty, prints and drawings, through Dec. 16; Christmas Crafts from Around the World, through Dec. 17.

Museum of Art: French drawings from European collections (the former Armand Gobie Collection) and Oriental works from the permanent collection, through Dec. 21.

Pattee Library: "Intentions," photographs by four State College photographers, East Corridor Gallery; "Morning," drawings by Rose Shumkas, Lending Services Lobby; Susan McGillvrey, ceramics, University Program, Main Lobby. All exhibits through Dec. 20.

Visual Arts Bldg. Zoller Gallery: Student architectural drawings and models through Dec. 19.

Service Desk: the workplace is sometimes less than frantic

The skies darken ominously as thunder crashes to the west of campus, prompting people outdoors to scurry for cover.

But indoors, at Physical Plant's Service Desk, the employees ready themselves for a deluge of an altogether different nature. "When we hear thunder, we push our paperwork aside and just wait for the phone calls," says Connie Putnam, the Service Desk's lead worker for clerical staff.

In her six years on the job, Ms. Putnam has learned that approaching electrical storms do not bode well for the University's air conditioning systems, computer banks, and scientific research equipment. They can be easily disrupted or damaged by lightning-induced power surges that result in the automatic transfer of power from one electrical transformer to another — a capability designed to avert outages.

When blackouts or brownouts do occur, however, the Service Desk is quick to pinpoint the location and dispatch a repair crew to the scene.

"In our 'bibles' (procedural manuals), we have flow charts showing which buildings are tied in to the various substations on campus," Ms. Putnam explains. "When the calls pour in, we can tell pretty quickly which sub-station is out."

Though electrical storms often spark a flash of activity, the Service Desk's normal workload is anything but slow.

In addition to Ms. Putnam, daytime clerks Thelma Lehr, Barbara Homan and Debbie Hamilton and nighttime clerks Shari Kaiser and Karen McMeen type more than 45,000 "work assignment" forms a year — about \$65 per week on average. These requests for repair, maintenance or assistance for malfunctioning property are generated by 200 to 400 incoming calls per day from all segments of the University community.

"Due to the volume of calls, we started

wearing headsets last winter so we could type work assignments while talking to the caller," Ms. Putnam notes. "We've also computerized parts of our operation, and we now use 'multi-code' work assignment forms, which allow us to use one piece of paper for assigning two or more repair crews to one job. These changes have been necessary to keep up with the load."

Mondays are the busiest day of the week, she says, because returning faculty and staff members and students are most likely to notice problems that may have cropped up over the weekend. Other peak periods follow a holiday or term break, but the most hectic time comes with the return of students for Fall Term.

The majority of calls emanate from the central contact persons in the various colleges and departments, although individuals call the Service Desk, too.

"I don't think I'll ever get to the point where I've heard everything," Ms. Putnam says. "Each day is a new experience — but nothing surprises me any more."

A faculty member reports a temperamental classroom projection screen or a broken lock on an office door. A student calls in about a leaking water faucet or a smashed window in the dormitory. A secretary reports a suspected dead animal lodged in a heating duct or an elevator that appears to be going on the blink.

"Almost everyone on campus is great to deal with," Ms. Putnam observes. "Once in a great while we get someone who's a little hard on us, but we don't have any chronic complainers."

Some of the problems are, of course, more serious than others, and it's the task of the clerks to discern which ones require immediate attention.

"We try to sort out, in our conversation with the caller, just how serious the problem really is," Ms. Putnam says. "While a sink overflowing all over the place may sound serious, it may turn out to be nothing more than a trickling faucet



Mike Doto, supervisor, and Connie Putnam, lead clerical worker, share a typical moment at the service desk.

with the water going down the drain." To respond to emerging problems and to put work assignments in priority for the various trades crews in Maintenance and Operations, the Service Desk sends appropriate members from its dispatch crew to the scene.

Electricians, heating and ventilation technicians, air conditioning and refrigeration technicians, plumbers and locksmiths in the dispatch crew will correct the problem — if it's not too involved. If it is, the crew will inform the

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News in brief

(Continued from page 1)

arroz con pollo from Spain; lamb kebabs from the Near East; rib of beef and Yorkshire pudding from England; *fritto misto de pesce* from Italy; and currant glazed pork bird from Norway.

Side dishes will include potato pancakes with sauer from Israel; rice pilaf from the Near East; broccolini hollandaise and carrots vichy from France; and Pennsylvania mushrooms.

Live entertainment will also be provided.

Bookstore sale is announced

The Penn State Bookstore in McAllister Building will offer its traditional Appreciation Days Sale to faculty, staff and students Dec. 17-21. Sale items at 20 percent off retail will include arts and materials, calendars, clothing, general books, gifts, jewelry, desk lamps and much more.

The sale schedule is as follows: Monday, Dec. 17, 8:30 a.m. to 8 p.m.; Tuesday, Dec. 18, and Wednesday, Dec. 19, 8:30 a.m. to 5:30 p.m.; Thursday, Dec. 20, and Friday, Dec. 21, 8:30 a.m. to 5 p.m.

Blood pressure screenings to be offered weekly

Persons interested in having their blood pressure checked may come to the Penn State Nursing Consultation Center on Thursdays between 2 and 6 p.m. The free service will be available weekly, exclusive of University holidays and term breaks.

The Nursing Consultation Center is located on the first floor of the new Human Development East Nursing Building on College Avenue. For further information, call 863-2200. Consultation between 9 a.m. and noon or 1-4 p.m.

WPSX offers Program Guide

Penn Staters looking for holiday gifts for neighbors and friends can find one that "keeps on giving" at Broadcasting Services in 205 Wagner Building. It's a gift subscription for the *WPSX-TV Program Guide*, which provides complete listings of the Channel 3 schedule along with background articles and viewer's letters. The cost is \$5 for a 12-month subscription. For additional information, call Jean Boyd at 863-0479.

Beittel exhibit continues

An exhibition of the ceramic work of Dr. Kenneth R. Beittel, professor of art education, will continue through Dec. 19 at the Chambers Gallery. Gallery hours are 8 a.m. to 5 p.m. Monday through Friday.

Affirmative Action for the handicapped

Editors note: The following notice has been provided by the University's Affirmative Action Office.

The Pennsylvania State University is a government contractor subject to Section 503 of the Rehabilitation Act of 1973, which requires government contractors to take affirmative action to employ and advance in employment qualified handicapped individuals.

We need your help in assuring compliance with the affirmative action guidelines established in Section 503 of the Rehabilitation Act of 1973. If you have a physical or mental impairment, a record of having had such an impairment, or are regarded as having an impairment that substantially limits your ability to secure, retain or advance in employment, we would like to include you under the Affirmative Action Program.

It will assist us in proper placement and appropriate accommodations if you tell us about (1) any special methods, skills, or procedures which qualify you for jobs that you might not otherwise be able to do because of your handicap, so that you may

Senate

(Continued from page 1)

- d. TO ASSIST THE STUDENT IN CAREER PLANNING.
- e. TO ASSIST THE FRESHMAN ADVISEE IN DEVELOPING A WELL-PLANNED EXPLORATORY PROGRAM TO FACILITATE CHOICE OF MAJOR AND CAREER.
- f. TO BE FAMILIAR WITH PUBLISHED ACADEMIC STANDARDS AND REGULATIONS OF THE UNIVERSITY AND TO MAINTAIN AN UP-TO-DATE ACADEMIC ADVISING REFERENCE FILE.
- g. CONTAINING CURRENT PROGRAM AREA, COLLEGE, AND UNIVERSITY MATERIALS PERTINENT TO ADVISING.
- h. TO ASSIST THE ADVISEE IN PLANNING A SUITABLE SCHEDULE OF CLASSES, AT LEAST ONE TERM IN ADVANCE.
- i. TO ESTABLISH POST, AND MAINTAIN ADEQUATE OFFICE HOURS THROUGHOUT THE TERM WITH PARTICULAR EMPHASIS GIVEN TO ORIENTATION, PREREQUISITE, REGISTRATION AND THE DROP-ADD PERIODS.
- j. TO INFORM THE ADVISEE OF ADVISER'S AND ADVISEE'S RESPONSIBILITIES IN THE ACADEMIC ADVISING PROCESS.
- k. TO KEEP RECORDS OF THE ADVISEE'S PROGRESS, INCLUDING THE PROFILE OF ACADEMIC ABILITIES, ACADEMIC TRANSCRIPT OR GRADE REPORTS, CURRENT STUDENT SCHEDULE, AND PROGRAM CHECK SHEET.
- l. TO DISCUSS WITH THE ADVISEE HIS/HER ACADEMIC PERFORMANCE AND ITS IMPLICATIONS.
- m. TO REFER THE ADVISEE TO APPROPRIATE SOURCES OF INFORMATION AND SERVICES.
- n. RESPONSIBILITIES OF THE ADVISEE
- o. TO OBTAIN A LIST OF THE REQUIREMENTS FOR THE CHOSEN MAJOR FROM THE ADVISOR AND USE IT TO MONITOR PROGRESS TOWARD FULFILLING DEGREE REQUIREMENTS.
- p. TO BE AWARE THAT PRIMARY RESPONSIBILITY FOR SELECTING COURSES AND MEETING DEGREE REQUIREMENTS IS THE ADVISEE'S. THE ADVISOR CAN SUGGEST, RECOMMEND, AND REMIND THE STUDENT OF RULES AND REQUIREMENTS, BUT THE ADVISEE HAS PRIMARY RESPONSIBILITY FOR MEETING PROGRAM AND DEGREE REQUIREMENTS.
- q. TO KNOW THE ADVISER'S OFFICE HOURS.
- r. TO INFORM THE ADVISEE OF CHANGES IN PLANS WHICH DIRECTLY AFFECT ACADEMIC PERFORMANCE AND EDUCATIONAL GOALS (e.g., FINANCES, JOB, HEALTH, ACADEMIC PERFORMANCE, CHANGES IN ACADEMIC AND CAREER GOALS, ETC.).
- s. TO PLAN A SUITABLE SCHEDULE OF CLASSES AT LEAST ONE TERM IN ADVANCE WITH THE HELP OF THE ADVISOR.
- t. TO BE FAMILIAR WITH THE PUBLISHED RULES AND REGULATIONS OF THE UNIVERSITY.
- u. TO DISCUSS WITH THE ADVISOR, HIS/HER ACADEMIC PERFORMANCE AND ITS IMPLICATIONS.
- v. TO FOLLOW UP ON REFERRALS MADE BY THE ADVISOR.

The third recommendation is that "Each College, Academic Department,

Commonwealth Campus, and the Division of Undergraduate Studies be required to develop and provide a formal training program for new advisers; provide appropriate ongoing training for all advisers; and monitor the quality of advising within their respective units. Evaluation reports should be developed within each unit and regularly reported to the Senate and appropriate administrative officials of the University."

In addition, the Senate will hear several informational reports. The report of the Subcommittee on Gifts and Endowments notes that, in the face of scarcer resources for higher education, the Office of Gifts and Endowments can assist faculty members in seeking aid from private sources for their research projects and educational activities. The Office requests only that faculty members cooperate and coordinate their activities through it.

Other informational reports include those of the Committee on Faculty Affairs on "Whether a Faculty Person on a Sabbatical or Leave of Absence Without Pay May Participate in Promotion and Tenure Decisions," the Committee on Planning and Development on grade distribution within the University over the past academic year, and the Committee on Admissions, Records, and Scheduling on special admissions programs.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Practices (PE) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ASSISTANT DIRECTOR FOR UNIVERSITY RELATIONS, Behrend. Responsible to the Director of Behrend College for organizing and conducting a comprehensive University relations program for the entire college including Continuing Education, Public Information and Relations, Gifts and Endowments.

Also: chief communications officer. Bachelor's degree or equivalent, plus two to four years effective experience, preferably involving newspaper and/or journalistic writing or public relations. Relevant higher education experience desirable.

LIBRARY ASSISTANT, Behrend. Responsible to the college librarian for assistance in all phases of library operations, including supervising part-time personnel, overseeing all aspects of the circulation process, instructing students in the use of library facilities, maintaining periodical collection and controlling the operation of the library in the absence of the librarian. Two years of college education and one year of effective experience preferably in library work.

JUNIOR COPY EDITOR — UNIVERSITY PRESS, University Park. Responsible for editing and proofreading a variety of manuscripts in accordance with standard usage, press style, and special requirements of the individual. Clear permissions for use of copyrighted material. Maintain cooperative relations with authors, journal editors, advertising personnel, production department and acquiring editors. Convey information to authors. Clerk for minutes of Congress. Bachelor's degree in arts, sciences, or journalism, or equivalent, with evidence of facility in written expression and from one to two years of effective experience in editorial practices.

MANAGER OF ADMISSIONS OFFICE — COLLEGE OF MEDICINE, Hershey. Responsible to the Associate Hospital Director of Financial Affairs for carrying out the admissions and financial counseling policies of the hospital and for supervision of the Admitting Office. Bachelor's degree in business or equivalency with 2-3 years of effective experience.

PATIENT UNIT COORDINATOR — COLLEGE OF MEDICINE, Hershey. Responsible to the Assistant Hospital Director of Nursing Services or the Assistant Director of Nursing Services as designated for the operation of the patient care unit, including nursing care activities, coordination of patient care services and maintaining acceptable standards of good patient care on a twenty-four hour basis. B.S. in nursing or equivalency, plus three to four years of effective experience and licensed to practice as a registered nurse by the Pennsylvania State Board of Nurse Examiners.

SENIOR INSTRUMENTATION AIDE — COLLEGE OF SCIENCE, University Park. Responsible to the Supervisor, Research Instrument Group, to assist in the design, construction, packing, documentation, and maintenance of instrumentation in the Microbiology Cell Biology, Biochemistry and Biophysics Department

and Chemistry Department. Develop manuals concerning the use of these instruments and general support activities associated with research instrumentation. Associate's degree or its equivalent in electronics plus three to four years of effective experience with scientific instrumentation or electronic components of instrumentation are required. Experience with analytical instruments and a basic knowledge of chemistry, physics and mechanics are highly desirable.

ASSISTANT TO THE DEAN OF STUDENT AFFAIRS, Wilkes-Barre Campus. Responsible to the Dean of Student Affairs for the administration and coordination of various functions within the Student Affairs operations at the Wilkes-Barre Campus. Participate in the planning and conduct of Student Affairs programs and services including secondary school relations, student activities, career development, and placement, cultural programs and orientation programs. Master's degree in Counseling, Student Personnel or related field, or equivalent organized study or training, plus over 3 months related experience or bachelor's degree or equivalent study or training with over one year of related experience in areas such as Student Union Programs, Counseling, Recreation, etc.

LIBRARY ASSISTANT, REFERENCE — COLLEGE OF MEDICINE, Hershey. Responsible to the Head Reference Librarian for assistance in the operation and supervision of the Medical Reference Service provided by the Medical Library. Associate's degree or equivalency, plus 1 to 2 years of effective medical library experience.

RESEARCH AIDE — COLLEGE OF AGRICULTURE, University Park. Oversees field work, plan and prepare experiments, gather and record experimental data, and select samples for raw product evaluations. Responsible for evaluation of laboratory tests, and rating of physical factors of samples. Responsible for preparing research samples for analysis, and setting of spectrometric equipment for analysis of research samples for analysis, and setting of spectrometric equipment and for operation of computer terminal in converting instrument readings to analytical data. Check and correct final results of analyses. Combine data from raw product evaluations with analytical results of plant and soil analyses, run statistical analyses, prepare data in proper form for computer analysis. Oversees preparation of tables showing experimental results. High school graduation or its equivalent and over two years of effective experience in laboratory experiments required. Knowledge of chemistry and agriculture helpful.

COORDINATOR, CAMPUS RESIDENTIAL LIFE — Hazleton Campus. Responsible to the Dean of Student Affairs for carrying out specific responsibilities for the Hazleton Hall Program including administration of the Conduct Standards System; selection and supervision of student assistants; developing cultural, social, and educational programs; and counseling of students. Bachelor's degree or equivalent plus at least one to two years of effective experience are required or a master's degree or equivalent in student personnel or related field with three to six months residence hall experience. IT IS CONTINUOUS, 10-MONTH ASSIGNMENT

Service Desk

(Continued from page 3)

Service Desk so the problem can be assigned to the appropriate M&O crew by Service Desk Supervisor Michael Doto or by Scheduler-Planner Thomas Rodkey.

Mr. Doto and Mr. Rodkey make their priority and routine work assignments only after consulting with Estimator-Inspectors Robert Bloom and Lee Wingard, whose role is to determine the time and work involved in correcting a problem. Mr. Bloom and Mr. Wingard also make random checks of problems afterwards to ensure the assignments have been properly handled and to standards.

Much of the Service Desk's work requires a grasp of technical language. Supervisor Doto points out, "Most of the clerks have had to learn a whole new vocabulary to do their jobs. Since they talk to trades supervisors, maintenance and preventive maintenance crews, they have to know what things like 'capping off a gas line' and 'absorption equipment' really mean."

"It's a fast-paced office and the paperwork is unbelievable," Ms. Putnam interjects. "But if I didn't like it, I wouldn't be here."

"It has its rewards," she adds. "The Service Desk is one of the focal points of the University because it's tied to everything. And it's very satisfying to help someone with a problem; nine times out of ten, that person will call back to thank me."

With all those problem-plagued people calling 865-4731 for the check, does Ms. Putnam have the impression that the University's physical plant is continually falling apart?

"No," she says. "It seems like we're holding it together."

Penn State Intercom

News in Brief

Research proposals asked

Faculty from all University campuses are invited to submit proposals to the Penn State 1980-81 Research Initiation Grants Program, established to support research and other creative work in the sciences, technology, social sciences, and arts and humanities. The RIG Program is limited to new faculty on standing appointments and with a service accumulation of two calendar years or less by September 1980.

The 12-month awards will range from \$2,000 to \$5,000 and will be announced following a preliminary screening by the colleges and final recommendations from a subcommittee of the Administrative Committee on Research (ACOR).

Faculty desiring further information should call their ACOR representatives or Commonwealth Campus directors. The proposal deadline is Monday, Jan. 21, 1980; awards will be announced by Feb. 15, 1980.

Holiday recreation schedule

The College of Health, Physical Education and Recreation has announced a holiday recess schedule for five facilities at University Park.

Rec Hall will be closed on Dec. 25 and Jan. 1, but will follow regular hours from Dec. 21-23 and Dec. 26-30. It will be open from 8 a.m. to 5 p.m. on Dec. 24 and Dec. 31.

The Natatorium will be open from noon to 2 p.m. and from 4 to 6 p.m. through Dec. 21 and Dec. 26-28, resuming its normal schedule on Jan. 2.

Although the pool at White Building will be closed from Dec. 20 to Jan. 2, the gym facilities will be open from 8 a.m. to 5 p.m. on Dec. 20 and 21. White will resume its normal schedule at 5 p.m. on Jan. 2.

The Intramural Building will close from Dec. 21 to Jan. 1. The normal schedule resumes at 8 a.m. on Jan. 2.

The Pavilion (Ice Skating) will be closed Dec. 25 and Jan. 1 but will follow regular hours Dec. 20-23. It also will be open from 1:30 to 4 p.m. on Dec. 24 and Dec. 31. In addition, it will be open from 1:30 to 4 p.m. and from 7:30 to 10 p.m. Dec. 26-30 and Jan. 2.

Fred Waring workshop to be given at Penn State

The Fred Waring Music Workshop, which has enrolled more than 30,000 students in its 33-year history, will move to University Park for the summer of 1980.

Announcement of the new association was made this week by Mr. Waring and Dean Walter H. Walters, of the College of Arts and Architecture. The workshop will be conducted by Mr. Waring and his staff and will offer credit through the University's School of Music.

Three two-week sessions in choral singing and a fourth session in choreography and movement for show choirs and choruses are scheduled. Highlighting each of the singing sessions will be two public performances by the participants, under the direction of Mr. Waring, a Penn State alumnus.

His musical career spans more than six decades and achieved for him an international reputation as a showman. With the "Pennsylvanians," a group of professional singers and instrumentalists, he has toured extensively, performed

regularly on both radio and television, made many recordings and mounted several successful Broadway shows.

In this decade the "Pennsylvanians" have become the "Young Pennsylvanians." These approximately three dozen youthful musicians will be in residence with Mr. Waring and his teaching team for the Penn State workshop.

We'll see you next year

INTERCOM's staff wishes its readers a happy holiday. Our next issue will appear on Thursday, Jan. 10.

Winter art classes offered

Registrations will once again be accepted for the Saturday Morning Art School of the School of Visual Arts.

Thirteen courses will be offered, and interested persons should call Ruth Barner, art education secretary, at 865-6570 on either Thursday or Friday, Jan. 3-4.

Theatre festival will be held Jan. 23-27

The Region II Conference of the Twelfth Annual American College Theatre Festival will be held at the University Jan. 23-27, in cooperation with the Department of Theatre and Film.

The conference features competitions for complete university theatre

productions and individual actors' monologues. Also scheduled are workshops on various theatrical subjects.

Winners of the competitions will compete in the national finals in Washington, D.C., for prizes and scholarships.

Registration for all events is open to the public. For more information, phone John Bayless, coordinator of the Festival, at 863-0381.

New honor society formed

Golden Key National Honor Society, an academic honorary for junior and senior undergraduates, has been approved as a student organization at Penn State.

Juniors and seniors who have maintained a minimum of a 3.4 cumulative grade-point average will be invited to join the society and attend a reception in their honor on Tuesday, Feb. 5, in the HUB Ballroom.

Two scholarships will be awarded to the outstanding junior and senior members. Certificates of recognition will be presented to all members.

In addition, an award to an outstanding faculty member, based on class instruction, student interest and research will be presented.

Golden Key was founded by a group of students who felt a void existed in the recognition of many academically superior students whose commitments to study and/or jobs restricts their eligibility for membership in other honor societies.

Energy Committee approves some holiday exemptions

At its December meeting, the University's Executive Energy Conservation Committee acted on approximately two-dozen requests for exemptions to the policy of holding building temperatures to 55 degrees during the holiday break.

"Some requests were approved," said Ralph E. Zilly, vice president for business and chairman of the committee, "and a few were denied, either because of lack of supporting information or what the committee perceived as lack of merit."

Some requests will be accommodated by allocating space heaters for the areas in use rather than by turning on building heat for a lone occupant, he added.

"We apologize for the inconveniences, but we must emphasize that Penn State is faced with skyrocketing energy costs and we will take every step available to conserve," he said.

On another matter, members discussed steps which could be taken to work with the University Libraries to ease overcrowding in the libraries.

In an effort to save energy, custodians have been closing classrooms when not in use, explained J. Carroll Dean, manager of energy conservation programs at the University. One result has been that students who were using vacant classrooms for study have turned to the library for study space.

A possible solution to library overcrowding might be to open one designated study room in classroom buildings, he noted.

In other matters, Mr. Dean announced that 73 percent of buildings at University Park now have posted certificates of compliance with the regulations of President Carter's Emergency Energy Conservation Plan.

Mr. Dean also commented on a problem that has been noted with idling University vehicles. Apparently, some persons are starting University vehicles on cold mornings and letting them warm up for 10 to 15 minutes before using them.

"This is an obvious waste of gasoline," he noted, "and is not something we would do with our own cars." He urged cooperation in minimizing consumption of gasoline provided by the University.

90,896 enrolled in Cont. Ed.

A record 90,896 students were enrolled in non-credit courses conducted through Continuing Education during 1978-79.

This represents the ninth consecutive year that enrollment for the non-credit courses has set a record. The programs, including conferences, workshops and seminars, were held at more than 200 locations in the Commonwealth.

Last year, 80,960 students were enrolled in the non-credit programs.

Total individual enrollment in all continuing education courses was 132,081 at 232 locations, the highest in five years. Enrollment in credit courses was 25,451, and active student enrollment in independent study by correspondence was 15,834.

"One of the other important aspects of this year's result is the increase in the number of full-time University faculty members teaching Continuing Education courses," Vice President Floyd B. Fischer said. "More than 1,600 faculty members taught Continuing Education courses during the year."



Drawing by Publications designer Larry Kresco

Penn Staters

Dr. John A. Waldhausen, professor and chairman of surgery at Hershey, has been elected as a Governor of the American College of Surgeons for a three-year term expiring in 1982.

David L. Young, professor and head of landscape architecture, has been elected a Fellow of the American Society of Landscape Architects (ASLA). One of 10 Fellows elected annually, Prof. Young has been cited by the organization for excellence in works of landscape architecture, outstanding public and academic work, professional publication and service to the Society. He is one of 163 Fellows representing 43 chapters of the national organization.

Dr. Howard E. Morgan, Evan Pugh Professor and chairman of physiology at Hershey, has been invited to serve on the National Heart, Lung and Blood Advisory Council of the National Institutes of Health for a term expiring in 1983.

Dr. J. William Holl, professor of aerospace engineering, has been named as a distinguished graduate of the Mechanical and Industrial Engineering Department at the University of Illinois at Urbana-Champaign. He will receive his award from the Department's alumni association in April.

Paul West, professor of English and comparative literature and IAHHS Fellow, has received an award in creative writing (fiction) from the National Endowment for the Arts. West's forthcoming novel, from Harper and Row in August 1980, is entitled *The Very Rich Hours of Count von Stauffenberg*, and deals with the July 20, 1944, bomb-plot on Hitler. The book will also be published in Spanish by Editorial Bruguera, Barcelona, also in 1980.

Dr. Roger Ware, associate professor of mathematics, presented a talk Dec. 6 at the University of Oklahoma entitled "Quadratic Forms, Galois Theory, and Rigid Fields".

Dr. Leon R. Kneebone, professor emeritus of botany and plant pathology, has become the first American elected to honorary membership in the International Society of Mushroom Science. The Society, based in Horst, Holland, has only four honorary memberships.

Dr. J. Cordell Hatch, professor of agricultural communications and coordinator of Extension Radio-Television-Audiovisual Services, has been elected national president of Epsilon Sigma Phi, honorary fraternity for Cooperative Extension Service workers in the United States and abroad. Elected at the fraternity's annual meeting recently in Washington, DC, Dr. Hatch will serve a two-year term which extends through November 1981.

Dr. James J. Reuther, assistant professor of fuel science, recently delivered invited lectures at colloquia sponsored by Sigma Xi and the Departments of Chemistry at SU-Cheon and SUNY-Binghamton. At the former, he discussed "Fuel Science Research Related to National Energy Needs" and at the latter, "Combustion Physico-Chemistry of Gaseous and Liquid Coal-Derived Synfuels."

Bookshelf

Dr. Theodore L. Gross, provost/dean, the Capitol Campus, is the author of *Academic Turmoil: The Reality and Promise of Open Education*, published recently by The Anchor Press/Doubleday and Co.

As dean of humanities and vice president for institutional advancement at The City College of New York, Dr. Gross was a pivotal figure in the open admissions program. His book presents the "reality" of the program and then recommends solutions to the thorny problems involved

in bridging open admissions and academic excellence.

Dr. A. W. Rose, professor of geochemistry, is a co-author of *Geochemistry in Mineral Exploration*, second edition, just published by Academic Press, London.

Since many advances have occurred in the geochemistry of mineral exploration since the first edition of the book was published in 1962, the original text has been extensively revised and updated.

Promotions

Faculty

Barbara L. Bleau to assistant professor of mathematics at the Capitol Campus.

Staff Exempt

Susan M. Jones to senior staff nurse at Hershey.

Joseph A. Kemp to manager, maintenance & utility operations at Capitol.

Jeune G. Kilian to budget & personnel officer in Business Services.

Kathleen Lavery to cooperative education specialist at Capitol.

Karen E. McKinley to patient unit coordinator at Hershey.

Clerical

Sharon L. Imboden to secretary B at Hershey.

Margaret C. Krumrine to correspondence typist A in Health, Physical Education and Recreation.

Marisa McMillan to secretary C in Human Development.

Suzanne D. Sinclair to secretary B in Science.

Jean Smith to secretary B in Intercollege Research Programs.

Lu Ann Weatherholtz to secretary C in Agriculture.

Technical Service

M. William Fink to group leader, janitorial in Applied Research Laboratory.

Charles E. Gearhart to tunnel operator/assistant model mechanic in Applied Research Laboratory.

Earl J. Pennington to television production assistant in Continuing Education.

Mike D. Tepsic to electrician A in Physical Plant.

Retirements

Nelson F. Wood, assistant professor of engineering research at the Applied Research Laboratory, will retire on Jan. 1 after 32 years of service with the University.

He came to Penn State in 1948 as an assistant in engineering research at the Ordnance Research Laboratory. In 1951, he was promoted to research associate in product engineering and was appointed as assistant professor.

He has been involved in various research projects related to the design and testing of underwater devices during most of his career. He holds a bachelor's degree in industrial arts from Massachusetts State College.

He and his wife, Jane, plan to remain in the State College area. Their two children, Peter and Carol, are Penn State graduates.

Theresa A. Fike, a secretary in the College of Earth and Mineral Sciences, will retire Jan. 1 after 36 years of service with the University.

Ms. Fike began work at the University in October 1943, as a secretary in the College of Agriculture. From there, she transferred to the College of Science, and then joined the staff in the College of Earth and Mineral Sciences in 1948 as a secretary in the Department of Continuing Education. Another transfer in 1977 took her to the Department of Mineral Engineering, where she has worked for the past two years.

Ms. Fike lives in Bellefonte with her mother.



Miriam Lewis, the first full-time staff member at WPXS-TV, is also its first employee to retire.

Ms. Lewis, secretary to the director of Broadcasting Services, will step down on Jan. 2, 1980, after 22 years of service at the University. She joined the Penn State staff in 1957 as a keypunch operator in data processing. In 1964, she became a secretary in Broadcasting, where she has worked for the past 15 years.

Ms. Lewis has lived in State College for 15 years. She is the mother of two children and five grandchildren.

Dorcas J. Wilkinson, a secretary in Continuing Education at the McKeesport Campus, will retire on Jan. 1. She joined the McKeesport staff Oct. 1, 1966.

Obituaries

W. Timothy Foley, an assistant professor in the Department of Anesthesia at the Hershey Medical Center, died Dec. 5 at the age of 38. Dr. Foley joined the faculty in 1975. He had earned his B.S. at Xavier University in Cincinnati, and his M.D. at Cincinnati College of Medicine.

Floyd Gahman, an associate professor of art at the Osgontz Campus when he retired in 1960, died Nov. 1 at the age of 85. Mr. Gahman, who joined the Osgontz faculty in 1948, held a B.S. degree from Columbia University and an M.A. from Teacher's College, Columbia.

Dr. Francis E. Hyslop, professor emeritus of art history, died Dec. 13. He was 69.

A member of the faculty from 1934 to 1974, Dr. Hyslop initiated the arrangements which resulted in Heinz Warneke carving the Nittany Lion. He also played a prominent role in arranging for the painting of the Land Grant frescoes in Old Main and in expanding the University's collection of art.

Dr. Hyslop received his undergraduate and graduate training at Princeton University. The author of numerous articles, he co-authored several books on Baudelaire with his wife, Lois Bee Hyslop, professor emerita of Romance languages. His most recent book, published in 1975 by Penn State's Press, was *Henri Evenspoel*.

Rebecca M. Kelly, a residence hall worker with Housing and Food Services since 1969, died Dec. 11. A Phillipsburg, PA, native, she was 58 years of age.

Fred P. Spannuth, a former food supervisor with Housing and Food Services, died Dec. 12. He was 76. Mr. Spannuth, who was born in Frysytown, PA, joined the University's staff in 1953 and retired in 1967.

OGE can help faculty locate funding sources

Editor's note: The following report, prepared by the Subcommittee on Gifts and Endowments of the Committee on Planning and Development, was presented at the Dec. 18 Senate meeting.

While inflation and relatively decreased state support reduce University resources, there are funds that the faculty can seek in the form of gifts from private, non-governmental sources. Moreover, these funds are substantial. For example, over \$10,000,000 was given the University during the past fiscal year. This sum came in the form of 42,000 gifts from alumni, friends, corporations, foundations, businesses, and societies. Ninety-five percent of all gifts received were donor-designated in response to specific proposals or solicitation. Ninety percent of the 42,000 gifts were processed through the Office of Gifts and Endowments.

The Office of Gifts and Endowments exists to encourage private aid to support and expand various University efforts, such as scholarships, equipment funds, faculty research grants, and other worthwhile projects. This Office can help faculty locate likely sources of support by identifying societies, foundations or philanthropic organizations with interests similar to theirs. Furthermore, the Office of Gifts and Endowments can assist in the preparation of proposals for potential donors. To this end, the Office has prepared a document entitled *Guide to Seeking Private Gifts* which spells out the steps in approaching donors. The Office can inform applicants of a prospective donor's past contributions so that potential embarrassment or resentment does not occur. Finally, the Office attempts to coordinate efforts for funding in order to avoid duplicative requests and situations where a faculty member could inadvertently make a call on the heels of another Penn State party.

Cooperatively, the faculty and the Office of Gifts and Endowments can help each other. The faculty generate research projects and recognize educational needs that may be unaware of potential resources. If these projects or needs were developed as proposals and the advice of the Office of Gifts and Endowments sought, many might be funded. While this emphasizes how the Office of Gifts and Endowments can assist the faculty, the faculty can assist the Office. Faculty members may have personal contact with potential donors through former students. For example, many of our graduates work for corporations which match employee educational donations. A list of such organizations is available from the Office of Gifts and Endowments. Departments maintaining job placement and current address records on their alumni can provide this information to the Office of Gifts and Endowments. In turn, the Office can inform the alumni of their company's policy, thereby doubling their contribution.

In doing the faculty is well aware of the need for increased monies for research and other educational activities. In our quest for quality in the face of decreasing governmental support, the Office of Gifts and Endowments can assist faculty in seeking resources for their projects. The Office only requests that faculty members cooperate and coordinate their activities with that Office. It is only through a strong, cooperative effort that private gifts to Penn State will be maximized and the University realize the support necessary to maintain quality programs in a future of scarce resources.

University Park Calendar

Dec. 20-Jan. 10 Special Events

Thursday, Dec. 20
Residence Halls close for Winter Term recess, 3 p.m.

Friday, Dec. 21
University offices close for holiday break, 5 p.m. Offices reopen, 8 a.m., Jan. 2.

Saturday, Dec. 22
Sports: football, vs. Tulane, Liberty Bowl Stadium, Memphis, Tenn. Preview show, 1:30 p.m.; kickoff, 2:30 p.m. (Eastern time), ABC-TV.

Wednesday, Jan. 2
Residence Halls open after Winter Term recess, 10 a.m.

Thursday, Jan. 3
Winter Term classes resume, 8 a.m.
France-Cinema, *Love on the Run*, 7 and 9 p.m., Room 112 Kern.
Sports: basketball (men) vs. Ursinus, 8:10 p.m.

Friday, Jan. 4
Last date for written foreign language examinations (other than French and Spanish) for advanced degree candidates.
Deadline for applying for Graduate School Tuition Grant-in-Aid for Spring Term.
Commonplace Theatre, *Rock and Roll Highschool*, 7 and 9 p.m., Room 112 Kern.
Sports: basketball (women), Penn State Invitational, 7 p.m.

Saturday, Jan. 5
Last date for March graduates to deliver doctoral theses to committees.
Sports: basketball (women), Penn State Invitational, 1 p.m.; gymnastics (men) vs. Illinois/Chicago Circle, 8 p.m.
France-Cinema, *Love on the Run*, 7 and 9 p.m., Room 112 Kern.

Artist Series: William Windom in *Thurber II*, 8:30 p.m., Schwab.

Sunday, Jan. 6
University Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Theodore E. Kiffer, humanities and director, General Education Program, speaker.

HUB Craft Center winter session craft classes begin.

Sports: wrestling vs. Oklahoma, 2 p.m.; basketball (women) vs. Southern Cal, 7 p.m.

Opening Reception for Wirth McCoy exhibit, 3 p.m., Museum of Art.

Commonplace Theatre, *Rock and Roll Highschool*, 7 and 9 p.m., Room 112 Kern.

Monday, Jan. 7
Audio-Visual Services, Connections film series, "Faith in Numbers," 12:45 p.m., Room 112 Kern.

Shakespeare videotape, BBC, *Romeo and Juliet*, 6:30 p.m., Room 101 Chambers.

France-Cinema, *Love on the Run*, 7 and 9 p.m., Room 112 Kern.
Interdisciplinary Symposium on Value, 7:30



Giovanni Battista Van der Meer's "Holy Family with St. John" is currently on exhibit at The Museum of Art.

p.m., Room 101 Kern. Joseph Flay, philosophy, on "Values and the Family: Autonomy, Socialization and Development of the Self."

Tuesday, Jan. 8
WPSS-TV documentary series, *Religion in Rural America*, "Separate Realities," noon, Kern Lobby.

Comp. Lit. Luncheon, 12:15; talk, 1 p.m. Hotel State College. Christine P. Makward, French, on "Sex and Text: A Very French Variation."

School of Music Common Hour, student performances, 4 p.m., Music Bldg. Recital Hall.

Comp. Lit. Film Series, Victor Erice, *The Spirit of the Beehive*, 7 and 9 p.m., Room 112 Kern.

Thursday, Jan. 10
STS/Two Cultures Dialogue on "Technology Assessment and Risk Analysis," lunch, noon; presentation, 12:20 p.m., Room 101 Kern.

Robert Friedman, political science, on "Aggregation of Risk Perception: From Individual to Social Dimensions."

Brown Bag Performing Arts Hour, 12:30 p.m., HUB Assembly Hall. Jack McManis, English, reads poetry.

Penn State Dames meeting, 7:30 p.m., Room 101 Kern.

Colloquy Lecture, 8 p.m., Eisenhower Auditorium. William Sullivan, former U.S. Ambassador to Iran, Laos and the Philippines, speaker.

Seminars

Thursday, Jan. 3
Chemistry, Brice Bosnich, Univ. of Toronto, on "Asymmetric Synthesis - Asymmetric Catalytic Hydrogenation in the Production of Amino Acids," 12:45 p.m., Room 333 Whitmore.

Physics, Walter Johnson, Notre Dame, on "Relativistic Effects in Atoms," 3:55 p.m., Room 445 Davey.

Friday, Jan. 4
Analytical Chemistry, John Stuhl, grad student, on "Macrocyclic Compounds in Chemical

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Analysis," 11:10 a.m., Room 333 Whitmore.
Physical Chemistry, Dan Konawalow, SUNY/Binghamton, on "Laser Prospects, Structure and Spectra of Alkali Diatomic Molecules," 2:30 p.m., Room 333 Whitmore.

Tuesday, Jan. 8
Organic/Inorganic Chemistry, P. Suszko, grad student, on "The Development of New Polymer Supported Catalysis," 12:45 p.m., Room 333 Whitmore.

Geosciences, George Brindley, geosciences, on "Problems and Progress in the Study of Layer Silicates," 3:45 p.m., Room 26 Mineral Sciences.

Organic/Inorganic Chemistry, Steve Ittel, DuPont, on "Metal Vapor Synthesis as a Route to New Organotin Compounds: Ironing Out Organic Chemistry," 8 p.m., Room 333 Whitmore.

Wednesday, Jan. 9
Chemistry, Kendall N. Houk, Louisiana State Univ., on "Experimental and Theoretical Insights into Cycloaddition Mechanisms," 4 p.m., Room 333 Whitmore.

Thursday, Jan. 10
Chemistry, Philip M. Johnson, SUNY/Stony Brook, on "Molecular Multiphoton Ionization Spectroscopy," 12:45 p.m., Room 333 Whitmore.

Physics, E. Fagen, Univ. of Delaware, on "Applications of Solid State Physics to Energy Problems," 3:55 p.m., Room 333 Whitmore.

Philosophy, Walter Schmid, Univ. of North Carolina, on "Eros and Sophrosyne in Plato's *Charmides*," 4 p.m., Room 167 Willard.

Habitats

HUB Galleries: Traveling print exhibit, opens Jan. 3. The Gallery, Nancy Straley, prints and drawings, opens Jan. 5. Browning Gallery, John Caroline, stained glass, and Ukrainian cultural exhibit, opens Jan. 3; Central Pa. Scholastic Art Award exhibit, opens Jan. 13, Art Alley.

Kern Galleries: Mary Keithman, paintings, and Marty Tyllman, ceramic constructions, opens Jan. 3. Penn State Film Follies posters, opens Jan. 20.

Museum of Art: French drawings from European collections (the former Armand Gobiet Collection) and Oriental works from the permanent collection, both through Dec. 21. Wirth McCoy, recent paintings, opens Jan. 6. Sculpture from the permanent collection and Pennsylvania prints from the collection of John C. O'Connor and Ralph M. Yeager, opens Jan. 13.

Pattee Library: C.U.P. (Ceramics, University Program) by Susan McGilvrey, through Dec. 21, Main Lobby.

Visual Arts Bldg. Zoller Gallery: Graduate Student Show, opens Jan. 6.

Staff Vacancies

The following vacancies for positions classified as staff (employee or staff nonemployee) have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 863-1287 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Jan. 4, 1986. **DON'T CONTACT THE AREA THAT HAS THE VACANCY.**

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or veteran.

CLINICAL PSYCHOLOGIST, STUDENT ADMINISTRATIVE SERVICES - University Park Responsible to the Director of the Mental Health Center for providing mental health services for students of the University. Ph.D. in clinical or counseling psychology or equivalent training, including a one year APA approved internship, or master's degree in clinical or counseling psychology or equivalent training, plus a minimum of three to four years of applicable clinical experience. Nine-month position.

CLINICAL PSYCHOLOGIST, STUDENT ADMINISTRATIVE SERVICES - University Park Responsible to the Director of the Mental Health Center for providing mental health services for students of the University. Ph.D. in clinical counseling

psychology or equivalent training, including a one year APA approved internship, or master's degree in clinical or counseling psychology or equivalent training, plus a minimum of three to four years of applicable clinical experience.

NURSE PRACTITIONER-GYNECOLOGY, STUDENT ADMINISTRATIVE SERVICES - University Park Responsible to the Director of Nursing Services for providing gynecological problems to a staff physician. Graduate of an accredited school of nursing or its equivalent, and a current Pennsylvania license, plus one to two years of effective experience and a graduate of a family planning nurse practitioner program.

UNIVERSITY PSYCHIATRIST-STUDENT ADMINISTRATIVE SERVICES - University Park Responsible to the Director, Mental Health Center, for providing psychiatric and neuropsychological, limited therapy, and provide consultation services to various departments and agencies of the University. Medical doctor's degree required, with postgraduate training in psychiatry and neurology. Five to seven years effective experience required in psychiatry.

ASSISTANT HERDSMAN - BEEF - COLLEGE OF AGRICULTURE, University Park Oversees the feeding, watering and general care and maintenance of animals and livestock area by supervising the mixing of feed, bedding of pen areas and cleaning. Determine modification in feeding rates and management practices in accordance with individual animal performance. Responsible for maintaining daily records, maintenance of health programs: attend animals at parturition and new-born animals, treat and

refer sick animals to veterinarian and administer proper preventative health programs. Assist in judging training sessions, contests, demonstrations and lectures. Answer owners' and breeders' questions pertaining to livestock management. Explain research projects and teaching programs in progress. Supervise and train student-trainee helpers. An associate's degree in animal science, plus one to two years of effective experience.

ASSISTANT HOUSEKEEPING SUPERVISOR - HUSBING & FOOD SERVICES, University Park Responsible for administering and coordinating housekeeping operational functions in a specified residence hall. Coordinate the activities of employees. inspect work being performed, inspect area and recommend changes in routine. High school graduate plus one to two years of related experience.

INTERCOM is an internal communications medium published weekly during the four terms of the class schedule for the faculty and staff of The Pennsylvania State University.

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Funding Sources

For further information, call 865-1372 (Network 8-475-1372)

(329-1) Development in Science Education (DISE) projects are funded by NSF to originate, develop and experiment with new ideas to improve science education aimed at a level or group of people. Current areas being emphasized include: Early adolescent: women, minorities and physically handicapped; science literacy, education for productivity; and technology for science education. Preliminary proposals are required. There are no deadlines but proposals to award date required 7 to 9 months. (Ref. SE-60-6)

(329-2) Research Equipment for Two- and Four-Year Colleges is funded by NSF for undergraduate programs in natural and social sciences, mathematics, and engineering that do not award doctorates in those fields (or fewer than 40 in the past 2 years). About 200 awards will be made in FY 1986 from a \$3,250,000 budget.

Proposals require 6 to 9 months for processing. Contact Dr. Howard Hines at (202)-632-5896. (Ref. NSF Bulletin, Dec. 1979)

A Senate Report on Grade Distribution

DISTRIBUTION OF GRADES - RESIDENT INSTRUCTION*

Table 1. All-University - Percentage of Grades Given in Baccalaureate Courses
Course Level 0-499

Spring Term	A	B	C	D	F	W	P	P	FI
1974	31.5	33.3	19.5	5.3	3.2	2.2	3.2	0.2	
1975	29.8	33.1	20.4	5.7	3.7	2.3	2.9	0.2	
1976	28.0	32.6	20.1	5.8	3.0	4.1	2.5	0.1	
1977	28.3	32.2	20.1	5.7	2.7	5.5	2.4	0.1	
1978	28.6	33.5	21.8	6.1	2.7	6.0			
1979	28.0	34.2	22.2	6.3	2.6	5.6			

Table 2. Percentage of Grades and Total Number of Grades Given in Baccalaureate Courses Level 0-499, by Colleges at University Park for the Academic Years 1977-78, 1978-79 (S '77, P '77, W '78, Sp '78, S '78, P '78, W '79, Sp '79).

	CPA	A	B	C	D	F	W**	NUMBER
AA								
1977-78	2.94	32	39	19	5	1	3	15,756
1978-79	2.97	33	38	19	5	1	3	15,134
AA&A								
1977-78	2.90	32	37	20	4	2	5	24,318
1978-79	2.87	30	37	21	5	2	5	23,232
BA								
1977-78	2.75	23	34	27	7	2	6	28,794
1978-79	2.72	22	34	26	8	2	6	29,412
BMS								
1977-78	2.86	28	37	22	6	2	4	14,966
1978-79	2.86	27	39	23	6	1	4	15,264
ED								
1977-78	3.41	53	31	9	2	1	4	17,408
1978-79	3.39	51	32	9	2	1	4	16,572
ENGR								
1977-78	2.71	26	35	23	8	3	6	29,374
1978-79	2.70	24	35	24	8	3	5	30,773
HEPER								
1977-78	3.31	49	36	8	1	1	5	28,158
1978-79	3.35	51	35	7	1	1	5	27,686
H DEV								
1977-78	3.00	31	40	20	4	1	4	25,915
1978-79	2.97	30	39	20	4	1	4	25,418
LA								
1977-78	2.83	27	35	23	6	2	6	85,397
1978-79	2.83	26	36	23	6	2	6	85,987
SCI								
1977-78	2.54	20	29	26	10	4	10	70,229
1978-79	2.54	20	29	26	10	4	9	70,142
Intercollege & Interdisciplinary								
1977-78	3.20	42	37	12	3	1	3	336
1978-79	3.30	43	37	16	0	1	3	315
ROTC								
1977-78	3.03	35	39	19	3	1	3	1,927
1978-79	3.10	33	45	18	1	1	2	1,917
Total Univ. Pk.								
1977-78	2.83	29	34	21	6	2	6	342,578
1978-79	2.82	28	35	21	6	2	6	341,852

Intercollege & Interdisciplinary

1977-78	3.20	42	37	12	3	1	3	336
1978-79	3.30	43	37	16	0	1	3	315

ROTC

1977-78	3.03	35	39	19	3	1	3	1,927
1978-79	3.10	33	45	18	1	1	2	1,917

Total Univ. Pk.

1977-78	2.83	29	34	21	6	2	6	342,578
1978-79	2.82	28	35	21	6	2	6	341,852

*Percentage of distribution will not always total 100% due to deferred grades, audits, NC, and R grades

**Includes symbols of WF, WN, and WF

Table 3. Percentage of Grades and Total Number of Grades Given in Baccalaureate and Associate Degree Courses, by Location, Academic Year 1978-79 (S '78, P '78, W '79, Sp '79).

	CPA	A	B	C	D	F	W	NUMBER	
	'77-78	'78-79							
All Locations									
Except Univ. Pk. & Hershey									
D-499	2.63	2.61	24	32	24	8	5	7	183101
800-899	2.66	2.68	26	33	23	8	4	6	19945
University Park									
0-499	2.83	2.82	28	35	21	6	2	6	341852
800-899	2.69	2.69	19	38	38	4	0	1	540
All Locations Except Hershey									
0-499	2.76	2.75	27	34	22	7	3	6	524953
800-899	2.66	2.68	26	33	23	8	4	5	20485
Hershey Center									
D-499	3.49	3.53	50	39	2	0	0	7	184
800-899	-	-	0	0	0	0	0	0	0

(Note: Only summary data are included from Table 3.)

DISTRIBUTION OF GRADES, BACCALAUREATE COURSES

Resident Instruction, All University - Except Hershey

Spring Term 1971 (Before Any Major Changes in Academic Policies)

A	B	C	D	F	W	P	P	P	FI
28.4	33.8	20.3	5.5	2.9	2.5	0.3	4.6	0.4	

Spring Term 1973 (First Term M3b Effective)^a

A	B	C	D	F	W	P	P	P	FI
30.4	33.0	19.6	5.3	3.3	2.5	0.2	4.0	0.3	

Spring Term 1975 (Last Term M3b in Effect for All Students)^b

A	B	C	D	F	W	P	P	P	FI
29.8	33.1	20.4	5.7	3.7	2.3	0.2	2.9	0.2	

Spring Term 1976 (First Term 8-Week Drop Rule in Effect)^c

A	B	C	D	F	W	P	P	P	FI
28.0	32.6	20.1	5.8	3.0	4.1	0.1	2.5	0.1	

Spring Term 1977 (8-Week Drop Rule in Effect)^d

A	B	C	D	F	W	P	P	P	FI
28.3	32.2	20.1	5.7	2.7	5.5	0.1	2.4	0.1	

Spring Term 1978 (8-Week Drop Rule in Effect)^e

A	B	C	D	F	W	P	P	P	FI
28.6	33.5	21.8	6.1	2.7	6.0	-	-	-	

Spring Term 1979 (8-Week Drop Rule in Effect)^f

A	B	C	D	F	W	P	P	P	FI
28.0	34.2	22.2	6.3	2.6	5.7	-	-	-	

Notes:

- ^a 1247 Course Repeat Forms Processed
- ^b 2379 Course Repeat Forms Processed
- ^c 1202 Course Repeat Forms Processed; 5599 Course Drop Forms Processed (4th-8th Week)
- ^d 163 Course Repeat Forms Processed; 7866 Course Drop Forms Processed (4th-8th Week)
- ^e 61 Course Repeat Forms Processed; 8300 Course Drop Forms Processed (4th-8th Week)
- ^f 23 Course Repeat Forms Processed; 7205 Course Drop Forms Processed (4th-8th Week)

DISTRIBUTION OF GRADES - CONTINUING EDUCATION *

Academic Year - 1978-79

(Summer '78, Fall '78, Winter '79, Spring '79)

Table 1. All University - Percentage of Grades Given

1975-6	A	B	C	D	F	W**	NUMBER
0-399, 800-899	28.9	36.5	21.7	4.9	4.3	3.4	23,005
400-599	62.1	32.7	3.8	0.3	0.5	0.4	22,436
All Levels	45.3	34.6	12.9	2.7	2.4	1.9	45,441
1976-7							
0-399, 800-899	29.2	35.7	21.7	5.3	4.7	3.1	26,490
400-599	63.9	31.2	3.5	0.3	0.4	0.4	17,598
All Levels	43.0	33.9	14.5	3.3	3.0	2.0	44,288
1977-8							
0-399	30	35	22	5	4	3	24,527
400-499	66	27	3	0	0	1	13,620
500-599	56	33	0	0	0	6	18
800-899	38	34	17	5	2	3	438
All Levels	43	32	15	3	3	2	38,603
1978-9							
0-399	31	34	21	5	4	3	23,301
400-499	66	28	3	0	0	0	11,927
500-599	0	0	0	0	0	0	0
800-899	36	34	19	4	3	1	686
All Levels	43	32	15	4	3	2	35,228

*Percentage of distribution will not always total 100% due to deferred grades, audits, NC, and R grades

**Includes symbols of WF, WN, and WF

(Editor's note: The tables above are taken from the annual report of the Committee on Undergraduate Instruction. The full report was presented at the Dec. 18 meeting of the Senate.)

Penn State Intercom



Marian Hammond, left, uses food models as a dietary assessment tool. At right, Center Director Christine Lewis.

Free, individualized nutrition aid is available to Penn State employees

If you want a reliable answer to a nutrition-related question or need counseling for a nutrition-related problem, the University provides two services that can help.

The Nutrition Information and Resource Center, located in Benedict House, specializes in sorting fact from fancy. Its staff members and volunteers answer nutrition-related questions over the phone or by letter; if necessary, they'll refer the question to another nutrition professional, agency, or resource for the answer.

The Nutrition Clinic and Consultation Service, with its main office in Ritenour Health Center and a branch office in Benedict House, offers counseling for persons who want to evaluate their diets or readjust their eating patterns to help control a medical problem. In many instances, clients are referred to the Clinic by their physicians.

Both the Center and the Clinic are operated by the Nutrition Program in the

College of Human Development, and their services are free to students, faculty and staff members and the community.

"About half our time is spent answering telephone requests and letters — some of which have come from as far away as Australia," says Christine Lewis, instructor in nutrition and director of the Nutrition Information and Resource Center.

"Our typical client needs a place to turn to for general but accurate nutrition information, and we try to function as that reliable source," Ms. Lewis continues. "Nutrition is a field full of controversy and — as it seems to many — contradictions. At the Center, we have no axes to grind; we try to give a balanced answer, and we base it on up-to-date, scientifically solid research."

"For instance, a person calling to ask if vitamin C supplements can increase the lifespan would be informed that the

literature in the field shows no proof for that claim."

The calls and letters arrive with ever-increasing frequency. For the year ending June 30, 1979, the Center received 1,056 requests for information, a two-fold increase since its inception in 1974 as part of the Nutrition Education Project, under the direction of Dr. Helen A. Guthrie, professor and head of the nutrition program.

Questioners have many concerns: Is it safe to feed honey to infants? What foods are high in fiber? What's the calcium content of State College's water? How long can leftover spaghetti be kept in the refrigerator? Is nutrient fortification of snack foods a good idea? Can caffeine cause acne? How many calories does ice cream contain? Is there evidence that people of Scandinavian descent have adverse reactions to pineapple? (In case

(Continued on page 4)

Kilowatt buying down in 1978-79

Despite heavier use of facilities and more building space to heat, the University Park campus purchased fewer kilowatt hours of electricity in 1978-79 than it did during 1972-73.

That's one finding from a six-year review of energy consumption at Penn State conducted by the University's Executive Energy Conservation Committee.

"Nearly 105.8 million kilowatt hours of energy were purchased during 1978-79," according to J. Carroll Dean, manager of energy conservation programs. "That compares to 106.1 million hours purchased in 1972-73."

"On the surface, that may not seem to be a significant reduction, but it is when you consider that the square footage of building space here has increased 7.1 percent since 1972 and that full-time student enrollment is up 11.3 percent over that same time span."

The reduction in energy purchased was also noted despite the fact that the winter of 1978-79 was judged to be 13.7 percent more severe than the winter of 1972-73 as measured by the number of heating degree days.

"I believe the reduction is due to improvements in the ability of building systems to operate more efficiently," Mr. Dean comments, "and also to an increase in public awareness of the energy problem, although we have far to go in that department."

"The committee members feel that the majority of University employees and students have not made a personal commitment to conserve energy for the benefit of the University," he adds.

"Should such a change in attitude occur, the amount of energy saved could conceivably double."

Although conservation efforts appear to be making headway, the survey notes that energy costs have climbed from approximately \$2.13 million at University Park in 1972-73 to \$5.88 million in 1978-79.

"And the '78-79 figure is about \$542,000 above the amount we spent the year before," Mr. Dean adds.

News in Brief

W-2 Forms will arrive in interdepartmental mail

During the week of Jan. 14, W-2 Forms will be mailed, for the first time, through the interdepartmental mail system to employees who have a campus mailing address and who were on the payroll as of Dec. 31, 1979.

The Department of Accounting Operations requests all members of the staff involved in this routing to cooperate in getting this important information to the recipients. Any undeliverable W-2 Forms should be returned to Accounting Operations, Room 302 Shields Building as soon as possible.

Games classes begin Jan. 15

A children's games and educational gymnastics class will be conducted Winter Term. Undergraduate elementary and physical education majors will be teaching the children basic movement skills through

games and use of gymnastic equipment. The classes are open to children from kindergarten through fourth grade.

Classes begin Tuesday, Jan. 15, and continue weekly through Feb. 19 from 4 to 5 p.m. in the North Gym of White Building.

Registration will take place at the beginning of the first class.

Faculty Women's Club to hold mid-winter coffee

The Faculty Women's Club will hold a "mid-winter coffee" from 9:30 to 11 a.m. Saturday, Jan. 19, in the Eisenhower Chapel lounge. The event will honor the spouses of University Trustees, who will be meeting at University Park that day. Reservations, due by Jan. 12, may be made by phoning chairwoman Jane Ziegler at 237-7931 or co-chairwoman Rosemary Hagen at 238-5287.

Drama classes have openings

Parents may still enroll their children in two drama courses being offered by the Department of Theatre and Film on Mondays and Wednesdays during the Winter Term. Classes conclude on Feb. 20.

The first class, for children in morning kindergarten, will be held from 2:30 to 3:15 p.m. The second class for children in the fifth and sixth grades will be held from 3:45 to 4:45 p.m. Both classes meet in the Pavilion Theatre.

Conducted by University students training to be creative drama leaders, the courses help children learn to develop characters in dramatic situations and to create improvisations and dramatic adventures.

To register, parents should phone the Department of Theatre and Film, 865-7586. There is no charge for the courses, which are supervised by Dr. Helen Manfull, coordinator of children's theatre and creative drama for the Department of Theatre and Film.

Advising proposal draws criticism

Near unanimous opposition was voiced at the Dec. 18 University Faculty Senate meeting to a proposal from the Subcommittee on the Role of the Adviser that "University policy on promotion and tenure (PS-23) be modified to include academic advising as a systematic and important area of faculty responsibility and one which will be evaluated in relationship to promotion and the granting of tenure."

Senator Irwin Feller summed up a number of the objections to the proposal, noting that a "checklist mentality" is developing at the University in regard to PS-23. Dr. Feller warned that the Senate is putting itself in the position of incorporating every desirable action on the part of faculty members into PS-23. He added that if incentives are necessary to improve advising, it might be better to offer such inducements as reduced

(Continued on page 4)

Penn Staters



Dr. Robert M. Barnoff, professor of civil engineering, has been appointed head of the Department of Civil Engineering. He will replace Dr. Raymond E. Untrauer, who resigned his administrative duties to return to full-time teaching and research.

Prof. Barnoff joined the Penn State faculty in 1955 as an instructor. He was promoted to assistant professor in 1957, to associate professor in 1964, and to professor in 1970.

He received his B.S. and M.S. from the University in 1951 and 1956, respectively, and was awarded a Ph.D. in 1966 by the Carnegie Institute of Technology.

Prof. Barnoff has taught both undergraduate and graduate courses. He supervises an average of one master's thesis a term. The author and co-author of several technical articles, Dr. Barnoff is a Fellow of the American Society of Civil Engineering. He is chairman of a Transportation Research Board Committee and is past chairman of an American Concrete Institute Committee.

Dr. Thomas G. Fox, dean of faculty at the Behrend College, has resigned his administrative post to return to teaching and research, effective Sept. 1, 1980.

In making this announcement, President Oswald said that Dr. Fox will do his teaching and research in the Department of Economics at University Park.

Dr. Oswald expressed his gratitude to Dean Fox, a member of the Penn State faculty since 1966, for his "dedication to his dual responsibilities at Behrend College," adding:

"During his five years of service at Behrend, Dean Fox has added to and strengthened the College's academic offerings in its four-year program."

As dean of faculty, Dr. Fox is responsible for the planning, implementation and evaluation of programs of resident instruction, continuing education and research.

Dr. Oswald said a committee will be appointed in the near future to search for a replacement.

Dr. Don N. Page, assistant professor of physics, presented invited seminars at the University of Chicago and Princeton University. At the former institution, he discussed "Gravitational Instantons, Green's Functions, and Spacetime Foam" and "Is Black Hole Evaporation Predictable?" He spoke at Princeton on "Particle Propagation in Spacetime Foam."

Dr. Emily Tolt, assistant professor of English, has been elected to a five-year term on the Executive Committee of the Modern Language Association's Division on Popular Culture.

Dr. Charles Croskey, research associate, and Joel Balogh, staff systems designer, both of the Department of Electrical Engineering, presented a three-day short course, "Solid State Electronics for Non-Electrical Engineers," in Amsterdam last Nov. 20-22. Earlier in the Fall Term, they presented the same course in Santa Clara, CA.

Pianist Steven Smith, associate professor of music, recently returned from a concert tour in Spain, France and Equatorial Africa. In France, Mr. Smith performed in Conflans-St. Honore and St. Germain en Laye; and in Africa, he performed in Port-Gentil, Gabon. He also recorded two programs for the Spanish National Radio in Madrid.

Mary K. Eggers, dean of Student Affairs at the Beaver Campus, has been named as one of the Outstanding Young Women of America for 1979. She was selected by the Board of Advisors for Outstanding Young Women of America from among women in 50 states and the District of Columbia.

Dr. Lee C. Eagleton, professor and head of Chemical Engineering, has been elected a director of the American Institute of Chemical Engineers, the 47,000-member chemical engineering technical society.

Dr. Richard A. Anthes, professor of meteorology, was an invited speaker recently at an international conference on tropical cyclones in Perth, Australia. He discussed computer modeling of tropical cyclones during the past 15 years.

Dr. Roland H. Good Jr., professor and head of the Department of Physics, recently returned from a term as visiting professor of physics at Seoul University, Korea. His visit was sponsored by the U.S. Agency for International Development.

Dr. Dorothy V. Harris, professor of physical education, will serve as co-editor of a new annual publication, *International Review of Sport Psychology*, to be sponsored by the International Society of Sport Psychology. The first edition is scheduled for publication in the late spring of 1981.

Dr. Murry R. Nelson, assistant professor of education, has recently been appointed three-year terms on two editorial boards. He will serve on the editorial board of *Theory and Research in Social Education* and on the elementary education advisory board of *Social Education*, the official journal of the National Council for the Social Studies.

Dr. Rodrigue Mortel, professor of obstetrics and gynecology at Hershey, was guest speaker at a symposium held Dec. 1-9 in Gabon, Africa, as part of the official opening at the International Medical Research Center of Francophonie. The new facility will conduct studies related to reproductive physiology and sponsor research on human fertility and sterility.

Gordon W. Rawlins has been appointed as assistant dean of The University Libraries and head of the Division of Bibliographic Resources and Services.

He will be responsible for implementing a new computer system for Penn State's libraries.

Mr. Rawlins joined the University staff as assistant librarian in 1969. Later, he became head of the Systems Development Department and director of library computer services.

He received his B.A. in Spanish at Brigham Young University in 1966 and his master's degree in library and information science there in 1968.

Charles E. Galgoc has been appointed as director of Graduate Admissions at the University, effective Jan. 1. He succeeds Dr. Bernard J. Busnovic, who retired.

After receiving his Ph.D. in educational administration from Penn State in 1970, he joined the Graduate School as an administrative assistant, subsequently being appointed as assistant to the dean. He was promoted to acting director of Graduate Admissions in 1977.

Dr. Galgoc earned his B.A. in Slavic languages from Indiana University at Bloomington and his M.Ed. in English from Kutztown State College.

The College of Business Administration recently announced the appointments of three Visiting Research Associates. Dr.

Soon-Tae Jung, professor of marketing at Busan National University in Korea, has joined the Department of Marketing and will remain through next summer. Mohan Lal, senior lecturer in accounting and finance at the University of Otago, Dunedin, New Zealand, is sponsored by CBA's Center for Research. Dr. Lal arrives this month for a year's stay. Dr. Shozo Uemura, professor of business administration and former dean of the School of Business Administration at St. Andrews University, Osaka, Japan, is sponsored by the Division of Organizational Behavior. He arrived in October and will remain at the University until September.

25-year Chair



Dr. Harvey W. Wall, director of the Division of Undergraduate Studies, recently received his 25-year chair from the University.

After serving for a year as a clinical psychology trainee with the U.S. Veterans Administration in Roanoke, VA, Dr. Wall joined the Penn State staff as assistant to the director of the Division of Intermediate Registration in 1954.

He was appointed to the post of psychologist with the Division of Counseling in 1957 and in 1965 was named assistant director for Commonwealth Campuses, Division of Counseling. In this position he was responsible for coordinating the counseling programs at all the University's branches, including transfer of students among the Campuses, and in-service training for Division staff members at the Campuses.

Dr. Wall was named associate director of the Counseling Division in 1967, served as acting director of most of 1972, and was named director of DUS in the spring of 1974.

Dr. Wall, who holds the academic rank of assistant professor of human development, received his B.S., M.S. and Ph.D. degrees, all in psychology, from Penn State.

He has taught courses in mental hygiene and psychology and has authored and co-authored several publications on various aspects of psychology and counseling.

Retirements

Edward F. Blehl, associate professor of management development, retired Jan. 1 after 22 years as a faculty member.

As a member of the management development staff, Prof. Blehl trained professional managers in organizational and personnel management techniques. He also conducted company surveys for individual managers to help them determine their own developmental needs.

Prof. Blehl joined the faculty in 1957 as an instructor of management development (psychology) in Continuing Education, following a 12-year career in recruiting, selecting and placing professional applicants for various organizations.

He served in the U.S. Air Force from 1941 until 1945. Following World War II, he enrolled at Penn State, receiving a B.A. in industrial psychology in 1947. In 1950 he was awarded the M.S. in the same field.

Garner P. Mitchell, Potter County Extension director, retired Dec. 31 with 25 years of service.

Mr. Mitchell received a B.S. from Penn State in 1951, majoring in dairy production. Following service in the U.S. Army, he was appointed to the Extension staff in 1954 as assistant Clinton County agent. He was promoted to associate agent in 1958 and was named Potter County agent in 1960.

A former president of the Pennsylvania Association of County Agricultural Agents, Mr. Mitchell, in 1976, received a Distinguished Service Award from the National Association of County Agricultural Agents for his service to agriculture.

Jay W. Beck, a counselor in student administrative services, retired Jan. 1. He had served on the staff since Jan. 1, 1966.

Otto H. Ferrari, a bio-medical fabrication technician at Hershey since Nov. 19, 1973, retired Jan. 1.

Evelyn P. Fye, a residence hall worker in Housing and Food Services since Sept. 26, 1967, retired Dec. 5.

James F. Hafer, a maintenance worker, utility, in the Office of Physical Plant, since June 17, 1974, will retire Jan. 26.

Genevieve I. Howe, a residence hall worker in Housing and Food Services, retired Jan. 1. Her service to Penn State began Sept. 3, 1968.

Freda J. Hyde, a laboratory technician in the College of Agriculture, retired Jan. 1. She had been on the staff since July 1, 1962.

Charles V. Liddick, a janitorial worker with the Office of Physical Plant, will retire Jan. 12. He has been with the University since April 29, 1974.

Edna M. Rhodes, a food production worker at the Nittany Lion Inn since Jan. 24, 1972, retired Jan. 1.

Donald L. Wolf, a driver, courier at Hershey since Jan. 1, 1968, retired Jan. 1.

Obituaries

Walter O. Gordon, professor emeritus of mathematics, died Dec. 20 at the age of 75. Mr. Gordon earned a bachelor's degree from Bowdoin College in 1928 and a master's degree from Penn State in 1931. He served on the faculty from 1928 until 1965, and at the time of his retirement was assistant to the head of the Mathematics Department.

G. William Henninger, professor emeritus of music, died Dec. 18. Born April 27, 1905, in Rothenburg, West Germany, Prof. Henninger came to America as an infant. After receiving bachelor's and master's degrees from New York University, he joined the University's faculty in 1934, retiring in 1968. He was a specialist in music theory and authored both musical compositions and two books.

Geraldine E. Rosenzater, a residence hall worker with Housing and Food Services from 1972 until she retired on disability in 1978, died Dec. 28. She was born April 20, 1923, in Millbrook, PA.

Elizabeth Jane Trostle, a member of the staff from 1954 to 1972, died Dec. 12. Born March 4, 1909, in Tyrone, PA, she worked as a records clerk in Admissions, Records and Scheduling.

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University Park Calendar

Jan. 10-20

Special Events

Thursday, Jan. 10
Penn State Dames meeting, 7:30 p.m., Room 101 Kern.
Colloquy Lecture, 8 p.m., Eisenhower Auditorium. William Sullivan, former U.S. Ambassador to Iran, speaker.

Friday, Jan. 11
Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Rodney Erickson, geography, on "The Changing Location of Jobs, and the Death and Life of Great American Cities."
Commonsplace Theatre, *Agatha*, 7 and 9 p.m., Room 112 Kern.
Artists Series, Fernando Valenti, harpsichord, 8:30 p.m., Schwab.

Saturday, Jan. 12
Last date for final oral doctoral examinations for March graduates.
Last date for March graduates to deliver masters' theses or papers to adviser.

Sports: fencing (women) vs. North Carolina State, Montclair State and Fairleigh Dickinson, 9 a.m. (men) vs. North Carolina State and Ohio State, 11 a.m.; bowling (men and women) vs. Drexel, 1 p.m.; basketball (women) vs. Colorado, 5:45 p.m. (men) vs. Duquesne, 8:10 p.m.
France-Cinema, *Bread and Chocolate*, 7 and 9 p.m., Room 112 Kern.

Sunday, Jan. 13
University Chapel Service, noon, Frizzell Room, Eisenhower Chapel. Martin Luther King, Jr. Celebrated by Dr. Daniel Walden, King, Jr. artists Series, speaker.
Sports: bowling (men) vs. Penn State/Capitol, 1 p.m.
Commonsplace Theatre, *Agatha*, 7 and 9 p.m., Room 112 Kern.
Artists Series, American Dance Machine, 8:30 p.m., Eisenhower Auditorium.

Monday, Jan. 14
Last date for March graduates to submit camera-ready theses manuscripts to Thesis Office.
Audio Visual Services, Connections film, "Wheel of Fortune," 12:15 p.m., Room 112 Kern.
France-Cinema, *Bread and Chocolate*, 7 and 9 p.m., Room 112 Kern.
Sports: basketball (men) vs. Delaware, 8:10 p.m.

Tuesday, Jan. 15
WPX-TV documentary series, *Religion in Rural America*, "Three Who Care," noon, Kern Lobby.
Comp. Lit. Luncheon, 12:15; talk, 1 p.m., Hotel State College. Daniel Walden, American



Harpsichordist Fernando Valenti appears Jan. 11.

studies, on "Neil Simon: From the Bronx to Broadway to California and Back."
Videotape showing of performance by University Choirs and Pittsburgh Symphony Orchestra of their February 1979 performance of *Carmina Burana*, 4 p.m., Room 111 Forum.
School of Music Common Hour, student performances, 4 p.m., Music Bldg. Recital Hall.
Comp. Lit. Film Series, John Schlesinger, *Far from the Madding Crowd*, 6:30 and 8:45 p.m., Room 112 Kern.
Artists Series film, *Jane Eyre*, 8 p.m., Schwab.
Towson State College Choir, Vince Lawrence, director, 8:30 p.m., Music Bldg. Recital Hall.

Wednesday, Jan. 16
Comp. Lit. Film Series, Anselmo Duarte, *The Given Word (O Pagador de Promessas)*, 7 and 9 p.m., Room 112 Kern.
Percussion Ensemble Concert, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, Jan. 17
Brown Bag Performing Arts Hour, 12:30 p.m., HUB Ballroom. Orchestra Dance Group performance.
Winter Candlelight Dinner, 4:45-6:45 p.m., HUB Terrace Room.

Friday, Jan. 18
Board of Trustees meeting, Keller Bldg.
Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Harold Dickson, art history, emeritus, on "Ten Pennsylvania Buildings."
Winter Candlelight Dinner, 4:45-6:45 p.m., HUB Terrace Room.
Commonsplace Theatre, *Halloween*, 6:30 and 9:30 p.m., Room 112 Kern.
Artists Series, Claude Kipnis Mime Theatre, 8:30 p.m., Eisenhower Auditorium.

Saturday, Jan. 19
Board of Trustees meeting, Keller Bldg.
Sports: fencing (men) vs. William Patterson, 1 p.m.; swimming and diving vs. Pittsburgh, (women), 1 p.m. (men), 4 p.m.; basketball vs. Rutgers, (men), 2:10 p.m. (women), 4 p.m.; volleyball (men) vs. Alcorn, 7 p.m.; gymnastics (men) vs. Ohio State, 8 p.m.
Faculty Women's Club Mid-Winter Coffee, 9:30-11:30 a.m., Memorial Lounge, Eisenhower Chapel.
France-Cinema, *Going Places*, 7 and 9 p.m., Room 112 Kern.
Artists Series, Claude Kipnis Mime Theatre, 8:30 p.m., Eisenhower Auditorium.

Sunday, Jan. 20
University Chapel Service, 11 a.m., Eisenhower Chapel. Celebration of Christian Unity.
Artists Series, Claude Kipnis Mime Theatre, 2:30 p.m., Eisenhower Auditorium.
Choral Concert, Anthony Leach, conductor, 3:30 p.m., Music Bldg. Recital Hall.
Commonsplace Theatre, *Going Places*, 7 and 9 p.m., Room 112 Kern.

Seminars

Physics, James J. Reuther, fuel science, on "Spectroscopic and Mechanistic Studies of Chemiluminescent Processes," 3:55 p.m., Room 445 Davey (new listing).
Computer Science, Charles Van Loan, Cornell Univ., on "Matrix Computations Affect the Way We Think," 4 p.m., Room 325 Whitmore (new listing).
Mathematics, Victor Kac, MIT, on "Hunting the Monster," 4 p.m., Room 102 McAllister (new listing).
Philosophy, Walter Schmid, Univ. of North Carolina, on "Eros and Sophrosyne in Plato's *Charmides*," 4 p.m., Room 167 Willard.
Statistics, James Hutton, Bucknell Univ., on "The Recurrence and Transience of Two-Dimensional Linear Birth and Death Processes," 4 p.m., Room 60 Willard (new listing).

Friday, Jan. 11
Analytical Chemistry, Susan Rose, grad student, on "Automated Clinical Determination of Arsenic by Atomic Spectroscopy," 11:10 a.m., Room 333 Whitmore.
Physical Chemistry, Bob Abernathy, grad student, on "Collision Complexes in Ion Molecule Reactions," 2:30 p.m., Room 333 Whitmore.
Philosophy, Aryeh Motzkin, Harvard Univ., on "Plato and Aristotle on the Vocation of the Philosopher," 4 p.m., Room 101 Kern.

Monday, Jan. 14
Microbiology, Elizabeth Biochemistry and Biophysics, L.E. Casida, microbiology, on "New Bacterial Pathogens of Bacteria," 4 p.m., Room 101 Althouse.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Tuesday, Jan. 15
Organic/Inorganic Chemistry, R. Gobbo, grad student, on "Ring Closure Reactions and Baldwin's Rules," 12:45 p.m., Room 333 Whitmore.

Geosciences, Bruce Nesbitt, geosciences, on "Regional Metamorphism of the Ducktown, Tennessee Massive Sulfide Ore Deposits," 3:45 p.m., Room 26 Mineral Sciences.

Wednesday, Jan. 16
Philosophy of Sport, Dorothy Harris, physical education, on "Behavioral Manipulation in the Quest for Victory," noon, Room 104 White.

Thursday, Jan. 17
Chemistry, Nicholas Winograd, chemistry, on "Determination of Surface Structure with Ion Beams," 12:45 p.m., Room 333 Whitmore.

Economics/Institute for Policy Research, Carol H. Weiss, Harvard Univ., on "When Does Government Use the Results of Research Analysis," 2 p.m., Room 112 Chambers.
Physics, Peter Banks, Utah State Univ., on "Electrodynamics of Large Conductors in Magnetoplasmas," 3:55 p.m., Room 333 Whitmore.

Philosophy, Henry Teloh, Vanderbilt Univ., on "Type Reality in Plato," 4 p.m., Room 167 Willard.
Analytical Chemistry, Gary Small, grad student, on "Computer Assisted Interpretation of Infrared/IR GC/FTIR Data," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Mike Roland on "CARS Studies of Molecular Motion," 2:30 p.m., Room 333 Whitmore.

Friday, Jan. 18
Horticulture, Nathan Hartwig, agronomy, on "Weed Control as a Science," 3:55 p.m., Room 10 Tyson.

Exhibits

Ferguson Lobby: Forestry exhibit, "Douglas Fir Research at Penn State," prepared by Edgar H. Palpat.

HUB Galleries: Traveling print exhibit, The Gallery, Nancy Straily, prints and drawings, Browning Gallery, John Caroline, stained glass, and Ukrainian cultural exhibit, Central Pa. Scholastic Art Award exhibit, opens Jan. 13, Art Gallery.

Kern Commons: Mary Keithan, paintings, and Marty Tyleen, ceramic constructions, through Jan. 19. Penn State Film Follies posters, opens Jan. 20.

Museum of Art: Wirth McCoy, recent paintings. Sculpture from the permanent collection and Pennsylvania prints from the collection of John C. O'Connor and Ralph M. Yeager, both open Jan. 13.

Visual Arts Bldg. Zoller Gallery: Graduate Student Show, through Jan. 20.

Arts Roundup

Valenti concert tickets on sale

Celebrated harpsichordist Fernando Valenti will be presented in concert Friday, Jan. 11, at 8:30 p.m. in Schwab Auditorium as part of the Artists Series Fine Arts Series.

From the age of four until he entered college, Mr. Valenti studied the piano — for some years under Jose Iturbi at Yale University he worked with Ralph Kirkpatrick, who urged him to change to the harpsichord. By the time he made his New York debut in 1950, he had already recorded the Brandenburg Concerti with Fritz Reiner, played with the Boston Symphony and the New York Philharmonic, and begun a series of solo recordings. He was invited to join Pablo Casals in the first historic concert of the Bach Festival at Prades. He has toured extensively throughout the United States, Europe and South America.

Mr. Valenti's program will include Handel's Suite in F, Bach's Toccata in E minor, and eight sonatas by Domenico Scarlatti.

Tickets for the concert will be on sale through Friday, Jan. 11, from 9 a.m. to 4 p.m. at the Eisenhower Auditorium box

office, and at the door beginning at 7 p.m. the evening of the performance. Phone orders on Master Charge and VISA cards may be placed by calling 865-0255 on the box office sales days.

American Dance Machine replaces Krasnayarsk troupe

The Krasnayarsk Dance Company will not appear at University Park on Sunday, Jan. 13, as scheduled because its tour has been cancelled by the Soviet Union.

In its place, the Artists Series will present the American Dance Machine, an ensemble specializing in dances from Broadway shows of the last 40 years.

Founded in 1975 by Lee Theodore, who is still director of the company, the American Dance Machine enjoyed a successful season on Broadway last year and also performed at the White House.

Tickets for the Krasnayarsk Dance Company performance will be honored for the American Dance Machine. The performance is part of the Theatre/Dance Series and is completely sold out by subscription. Curtain time is at 8:30 p.m. in Eisenhower Auditorium on Jan. 13.



Wirth McCoy

McCoy paintings at Museum

An exhibition of 20 recent paintings by Wirth McCoy, professor emeritus of art, is on display at the Museum of Art through Feb. 17.

Mr. McCoy's work reflects the continuing influence of nature and the elements on his concept of art. Representations of the oceans and the topographies of the eastern and western

United States are evident in his paintings and bear witness to his experiences in the Midwest, Far West and East.

Mr. McCoy, who received a B.A. from the University of Minnesota, an M.F.A. from the University of Iowa and a diploma in painting and design from the Academie de la Grand Chaumiere in Paris, served on the faculty from 1964 to 1979.

Kipnis mimes to appear

The Claude Kipnis Mime Theatre, sponsored by the Artists Series, will appear Saturday, Jan. 19, at 8:30 p.m. in Eisenhower Auditorium.

Claude Kipnis was born in Paris and educated at the Sorbonne. One of his chief mentors in mime was the famous Marcel Marceau, with whom he studied.

After spending several years working in Israel, Mr. Kipnis came to the United States in 1966. After appearing at New York's Theatre de Lys, he became director-in-residence of the Boston Opera Company, where he staged the historic performance of Schoenberg's very difficult and rarely heard opera *Moses and Aaron* and staged and performed in Bartok's *Microcosmos Mandarins*.

In 1968 Mr. Kipnis formed a carefully selected company of young mimes which

(Continued on page 4)

Nutrition aid

(Continued from page 1)

you're wondering, the answer is no.)

"Generally, we try to answer the question on the phone," Ms. Lewis points out. "If that's not possible, we research it and try to get back to the caller within a day or two."

"Many of our clients seem to have some degree of nutritional awareness, interest or knowledge to begin with," she observes.

Much of the Center's effort is directed toward reaching people who know little, if anything, about nutrition. "Studies have shown," Ms. Lewis says, "that 51 percent of the American public have a very poor understanding of nutrition."

The Center provides tours for interested groups and, as Ms. Lewis says, "The public is always welcome to come in and browse or use our information files for their own research." Open from 8 a.m. to 5 p.m. weekdays, the Center can be reached at 865-6233.

Complementing the services of the Center is the Nutrition Clinic and Consultation Service, which offers individual counseling for evaluating or adjusting food intake patterns to meet health needs.

"Since nutritional adjustment is often an integral part of the management of a medical problem, the majority of people coming to the Clinic do so on the advice of a physician," says Marian Hammond, assistant professor of nutrition and coordinator of the Clinic.

Problems most common to the Clinic's clients involve weight control, certain gastrointestinal disorders, diabetes, elevated blood cholesterol or triglyceride levels, and high blood pressure.

The Clinic's caseload has grown prodigiously since its inception in 1972, and it now assists 300 to 350 clients per year.

Counseling is provided by Prof. Hammond and the Clinic's two graduate assistants, each of whom is a registered dietitian. Additional counseling is available from undergraduate nutrition majors who, while earning academic credit in Nutrition 400, gain applied experience in the rapidly expanding specialty of nutrition counseling as part of medical management.

"Obviously, we do not diagnose a medical problem," Prof. Hammond explains. "But if the client's physician believes the problem can be controlled by a nutritional adjustment, that's where we step in."

"We can do a nutritional assessment," she adds, "which includes a dietary history, a dietary evaluation and anthropometric measurements. When this information is added to the physician's data base, nutritional prescriptions can be formulated more realistically and strategies for behavior change can be tailored to the individual."

For their clients, the nutrition counselors emphasize an individualized goal-setting approach, based on a model developed by Dr. Steven J. Danish, professor of human development, and Dr. Anthony R. D'Augelli, associate professor of human development.

"By working with these researchers," Prof. Hammond notes, "we have come to understand that even though people may know intellectually what food choices they should make, many of them have never learned preferred eating skills."

Preferred eating skills, she explains, refer to the choices you make based on who you are, what your goals are, and what you happen to be doing at the moment.

"We try to help clients develop realistic goals and a nutritional framework for making choices, so that they have an idea of what kinds of foods produce what kinds of effects," she says. "If our clients can approach a so called 'diet' this way, they can learn to make their own choices in a variety of situations."

Thus, a client trying to lose weight at, say, a buffet might learn to ask such questions as: Do I really need the pie? Could I eat a smaller piece, or eat the filling and leave the crust?

Though most clients are referred to the Clinic by physicians, some come on their own accord for an evaluation of their food intake patterns. Dietary evaluations or consultations on normal nutrition problems do not require a physician's recommendation, Prof. Hammond notes.

"These are persons who want to know if they're eating appropriately for reasons of preventive health. Or they may want to learn if their nutritional practices are adequate for certain stages of the life cycle such as pregnancy, lactation, infancy or the geriatric years."

Nutrition education has many tools. For a dietary assessment, one of the most effective is plastic food models. Both the counselor and client can use a variety of models — from apple to zucchini — in a session. "The models make it easier for the client to learn about the nutritional values of various foods and portions and to visualize the implications of changes in food choices," Prof. Hammond says.

"And this emphasizes one of the values of the Nutrition Clinic," she continues. "Individualizing counseling and guiding the client to develop his or her own strategies for behavioral change get better results than simply handing out diet lists — which was the procedure most frequently used in the past."

Nutrition counseling is by appointment only. The Clinic's switchboard — 863-0613 — is open 8 a.m. to 5 p.m. weekdays.

Mime Theatre

(Continued from page 3)

premiered newly commissioned works at New York's Lincoln Center. That year also marked the first national tour of the Claude Kipnis Mime Theatre.

Included on Saturday evening's program will be a major new work entitled "The Body." Through the use of the color and excitement of jazz music, the Kipnis players explore the inner workings of the human body from a most unusual point of view. Also included on Saturday's program will be "The Box," "The Apple," "The Pianist," and "Eine Kleine Nachtmusik."

Tickets will go on sale at the HUB Booth and at Eisenhower Auditorium Box Office beginning Tuesday, Jan. 15, from 9 a.m. to 4 p.m. Phone orders may be placed on Master Charge and VISA cards by phoning 863-0255, days of sale. The Friday evening performance, which is part of the Theatre/Dance Series, is sold out by subscription.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (exterior line 472, 1387). Applications for these staff vacancies will be accepted until 5 p.m., Jan. 17, 1980. DO NOT CONTACT THE AREA THAT HAS THIS VACANCY.

CHILD ACTIVITY SPECIALIST — COLLEGE OF MEDICINE, Hershey. Responsible for setting up, supervising a Child Activities Program to include training and directing of volunteers, college trainees and student nurses. Develop various child activity programs depending upon the needs of the patient. A bachelor's degree in elementary education, plus one or two years of effective experience in similar or related work.

ASSISTANT FINANCIAL OFFICER — CONTROLLER'S OFFICE, University Park. Responsible to the Financial Officer and the Director of Financial Officers for the control and accountability of budgets. Interpret and enforce financial and budget policies and procedures. Bachelor's degree or its equivalent in accounting, plus two to three years of effective experience.

FINANCIAL OFFICER, McKeesport. Responsible to the Controller for budget and expenditure control of Campus operating funds. Prepare primary assistance to the Campus Director in financial and related administrative matters. Manage and control the Campus operating funds, including petty cash and change funds. Insure compliance with cash and other administrative policies. Prepare periodic financial reports, deposit all cash receipts, issue and settle advances for travel. Maintain and control student accounts receivable, process refunds, collect tuition and unpaid balances. Responsible for receipt and distribution of payroll checks. Responsible for property inventory, tagging of equipment, inventory records and periodic property inventory reports. Bachelor's degree in accounting, with two to four years of directly related experience in accounting operations.

Senate

(Continued from page 1)

teaching and committee assignments or salary increments.

Senator Peter Bennett pointed out that currently there is no good measure for evaluating how good a job a person does as an advisor, and that the greater the number of advisees a professor has, the more complaints he or she is likely to receive. Engineering Dean Nunzio J. Palladino said that in some colleges students handle advising chores, thus making it extremely difficult to administer any University-wide system of rewards for advising.

The Subcommittee's recommendations will be voted on at the Feb. 5 Senate meeting.

The Senate also heard comments by President Oswald on the University's fund raising efforts after listening to a report on the activities of the Office of Gifts and Endowments (OGE).

Dr. Oswald noted that OGE was established as an arm of fund raising after he arrived at Penn State. Four years ago, a Penn State Fund Council was created, consisting of 25 leading alumni and friends of the University. Trustee Charles W. Shaeffer, retired chairman of T. Rowe Price Associates, Inc., of Baltimore, heads the Fund Council.

The annual amount raised at the time the Council was formed was about \$4¼ million.

"The Council," Dr. Oswald continued, "with Trustee support, set a goal to double this level of annual giving within a five-year period. We were able to increase the total to \$10.3 million in four years rather than the anticipated five."

"In the perspective on the '80s, there is a recommendation to attempt to double this \$10 million level in the next five years. If we are successful in this recommendation, annual giving by 1985 would be at the \$20 million per year level — and if this were sustained each year, it would total \$100,000,000 over a five-year period."

Dr. Oswald said that in his opinion the University would be making a mistake to seek basic operating support from private funds but should rather seek such funds for enrichment and quality enhancement.

"I pledge to this Senate that this matter will be a continuing high priority," he said.

Calendar of Major Planning and Budget Events 1979-80

Events	Date
Board of Trustees approves 1980-81 State Appropriation Request for submission to Department of Education.	September
President approves calendar of major planning and budgeting events.	October
Hearing with the Pennsylvania Department of Education on 1980-81 State Appropriation Request.	October
Draft Planning and Budget questions for Colleges and Administrative Divisions reporting to the Provost are reviewed by the Provost's Advisory Committee on Planning and Budget.	Mid-October, Mid-November
Senior University Officers distribute Planning and Budget questions and guidelines for 1979-80 five-year planning and budget process.	Late October, November
Office of Planning and Budget distributes planning and budget data packages.	Late October, Mid-December
Deans and Administrative Officers prepare five-year planning and budget proposals.	To be completed two weeks before hearing
Office of Planning and Budget and Financial Officers prepare PBF Analytical Data	Mid-November through Mid-January
Planning and Budget Hearings chaired by Senior University Officers. (Note: The Provost's Advisory Committee on Planning and Budget constitutes the hearing panel for Colleges and Administrative Divisions reporting to the Provost.)	Late January through Mid-March
Governor issues 1980-81 Executive Budget recommendations.	Early February
Legislative hearings on 1980-81 State Appropriation Request with Senate and House Appropriations Committees.	March or April
The Advisory Committee on Planning and Budget makes its recommendations to the Provost concerning budget and planning considerations for 1980-81 through 1984-85, including recommendations on issues for further study in the Colleges and Administrative Divisions reporting to the Provost.	March
Senior University Officers consolidate recommendations for 1980-81 budget and planning considerations for 1980-81 through 1984-85, including identification of issues for further study.	March through May
Budget Task Force, chaired by the President, reviews consolidated recommendations from Senior University Officers and approves budget and planning parameters for 1980-81 through 1984-85.	April through May
Senior University Officers review decisions and recommendations with officers reporting to them.	Late April, May
Legislature acts on 1980-81 State Appropriation Request.	May, June, or later
Board of Trustees approves 1980-81 Operating Budget (or Interim Operating Budget if State Appropriation amount is not known).	May
If an interim budget was approved in May, and if the Legislature subsequently has passed the University's appropriation, the Board of Trustees approves the 1980-81 Operating Budget.	July
Processing of any proposed salary adjustments.	June or July
Preparation of 1980-81 Detailed Operating Budget.	July or August

Penn State Intercom

News in Brief

Liability protection for special University service

The University from time to time requests various members of the faculty and staff to serve on committees as well as review and appeals boards. Questions occasionally arise relative to liability insurance protection should a member or members of the committee or board be legally challenged on a decision made by their particular body.

The University maintains a broad program of insurance protection which it feels will meet any contingencies arising from the work of these committees or boards. All faculty and staff members are included as additional insureds on this insurance.

The University's Risk Management Office continually reviews developments and decisions in this field, and it is felt Penn State has the best coverage available in the market. The policy is in effect while the faculty and staff member is acting within the scope of his or her University duties.

Any questions concerning this coverage should be directed to the Risk Management Office, 865-6307.

Alien address forms must be filed this month

The Office of Personnel Administration would like to remind all aliens living in the University community that this is the month in which they are required by law to complete a special address card to be sent to the Immigration and Naturalization Service.

This address form must be prepared annually and is different from the regular change of address form aliens are required to prepare. It must be submitted even if the alien has recently submitted a regular change of address notice.

The special forms are available at the

(Continued on page 4)



Mr. Czekaj



Mr. Paterno

Reorganization announced effective March 1 in the Department of Intercollegiate Athletics

President Oswald has announced a reorganization, effective March 1, 1980, in the Department of Intercollegiate Athletics.

Athletic Director Edward M. Czekaj will be reassigned as special assistant to Robert A. Patterson, senior vice president for finance and operations.

He will be succeeded as athletic director by Joe Paterno, who will retain his duties as head football coach and professor of physical education.

"The primary purpose of the reorganization," said Dr. Oswald, "is to focus the strength of the central administration, specifically the senior vice president for finance and operations, on the budgetary and fiscal matters of the Department of Intercollegiate Athletics."

"At the same time, this must be done without interfering with the department's academic role and mission as a part of the College of Health, Physical Education and Recreation."

Mr. Paterno will report directly to Mr. Patterson on budgetary, contractual, fiscal and non-academic personnel matters, as well as on organization and policy matters

needed to assure "a continuing strong and viable program."

On matters related to the academic integrity of programs, such as admissions and eligibility, Mr. Paterno will report to Dr. Robert J. Scannell, dean of the College of Health, Physical Education and Recreation.

"To assure maximum coordination," said Dr. Oswald, "the director will keep the dean informed and will consult with him before proposing any significant changes in the direction of the athletic program."

In announcing the realignment, Dr. Oswald expressed his appreciation to Mr. Czekaj for his "outstanding loyalty and devotion in making Penn State's athletic program one of the strongest in the nation."

Mr. Czekaj's reassignment as special assistant, he added, "will enable the University to draw on his vast experience and contacts to assure continuity during the transition period."

Commenting on Mr. Paterno's promotion, Dr. Oswald said:

"No one in the United States is more respected than is Mr. Paterno for his sound views on the role of intercollegiate athletics as an integral part of the educational mission of a university."

"There is no question in my mind that he will bring great strengths to the entire athletic program while continuing on as a first-rate head football coach."

Dr. Oswald spelled out details of the reorganization in a statement that defines the mission of the Department of Intercollegiate Athletics and of the specific reporting lines and responsibilities of the director of athletics.

Emphasized in this statement is the critical and continuing role of the dean of the College of Health, Physical Education and Recreation in assuring academic integrity of the athletic programs and of the academic environment in which Mr. Paterno and his staff will function.

"It is recognized, with sincere appreciation," said Dr. Oswald, "that Dean Scannell has provided strong and effective leadership in helping to build excellent academic and athletic programs at Penn State, while bringing national leadership to many issues involved."

Reorganization, he added, will permit Dr. Scannell to "devote even more time and leadership to the needs of the college, and, indeed, the total University."

Dr. Scannell has been very active in campus leadership positions. In recent

Preretirement counseling program set up

President Oswald has announced the establishment of a program of preretirement counseling for full-time University faculty and staff members.

The program, to be conducted by the Employee Benefits Division of the Office of Personnel Administration, will be directed toward faculty and staff members who are now age 60 or older, or who will attain the age of 60 by June 30, 1980.

The program will deal with the financial aspects of retirement, specifically as related to the retirement benefits provided by the University.

Since more than 750 faculty and staff members fall into the age categories described above and meetings will be limited to approximately 35 persons, it will be necessary to schedule a number of sessions to accommodate everybody.

Whenever possible, persons invited to a particular meeting will be in the same retirement system. Each person invited will receive an advance packet of information to review in preparation for the meeting.

Because the information to be presented will be helpful in stimulating and directing thinking about important decisions regarding retirement, President Oswald urges faculty and staff members who are invited to attend the sessions to do so if at all possible.

Funds still available to pay Faculty Aides

Graduate students may still apply for financial assistance under the new Faculty Aid Program, according to Joan Schumacher, an assistant director in the Office of Student Aid.

Faculty aides receive \$6 an hour for assisting faculty or administrators in their official University duties. The aide's responsibilities are similar to those of a graduate teaching assistant or research assistant.

Since the program was implemented, \$450,000 has been awarded to more than 230 students. Applications are being accepted now for aides during the Spring Term. Summer Term application forms will be available in February.

Even though we're still accepting applications for spring, now is the time to apply for next year's program," Ms. Schumacher says.

Funds for the program, which come from student aid college work-study funds, are restricted to those students who demonstrate financial need, are U.S. citizens, and have been enrolled as degree students in a graduate program for four or more credits each term.

Interested students must first complete a Financial Aid Form, which will be evaluated by the College Scholarship Service, a process that requires several weeks and costs \$5. After that, students should file an application with the Office of Student Aid in Room 335 Boucke.

"If the student is granted an award, he or she must match up with an approved faculty aide position," Ms. Schumacher says. "A listing of available positions can be found in the Office of Student Aid."

The amount awarded will be determined

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Mr. Dyer-Bennet on a recent trip to Greece.

Dyer-Bennet to present 'Odyssey' reading

Folk singer and music scholar Richard Dyer-Bennet will present three excerpts from Robert Fitzgerald's translation of Homer's *Odyssey* at 7:30 p.m. Wednesday, Jan. 23, in Room 112 Kern Graduate Building.

His appearance is one of the highlights of his Jan. 20-28 stay as a Visiting Fellow of the Institute for the Arts and Humanistic Studies. He will also offer

sessions dealing with folklore, poetry and voice training.

The program on *The Odyssey* is divided into three parts: "A Goddess Intervenes" from Book 1, "A Hero's Son Awakens" from Book 2, and "The Test of the Bow/Death in the Great Hall" from Books 21 and 22.

"Homer's great epic poem was given

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Penn Staters

Dr. George C. Shoffstall, assistant to the dean in Continuing Education and Commonwealth Campuses, College of Science, was elected president-elect of the National Association of Academies of Science (NAAS), an affiliate of the American Association for the Advancement of Science (AAAS), at the Association's 146th National Meeting in San Francisco. He also was honored by the NAAS as one of its distinguished service awarders. Dr. Shoffstall is immediate past-president of the Pennsylvania Academy of Science.

Dr. Milton Cole, associate professor of physics, presented invited colloquia recently at Wesleyan University, the University of Massachusetts, and the University of California at San Diego. His talk was entitled "Beauty Is Skin Deep: Helium Atoms on a Graphite Surface."

Dr. Alfred Traverse, professor of paleontology, recently gave two lectures at Southern Illinois University. His topics were "Pleistocene Paleoclimatology of the Black Sea Basin, per Glomar Challenger Paleontology" and "For Biostratigraphy, the Smallest Fossils Are Best."

Dr. Norman Freed, associate professor of physics and associate dean for resident instruction, College of Science, has been named to a newly formed committee at the Bates Linear Accelerator, a national laboratory for high energy nuclear research at the Massachusetts Institute of Technology. The committee will provide theoretical physics guidance for the experiments conducted there and suggest programs of research for the 1980s.

Dr. John Hardin Best, professor of education and head of the Division of Education Policy Studies, has been reappointed to a three-year term on the editorial advisory board of Educational Studies.

Sarah Annette Thompson, assistant professor of health, physical education and recreation, has recently been elected to a two-year term as president of the Northeast Section of the Ladies' Professional Golf Association — Teaching Division.

Bookshelf

Dr. Leonard R. Rifornio, assistant professor of history at the Shenango Valley Campus, has written a book entitled *Missionary of Moderation: Henry Melchior Muhlenberg and the Lutheran Church in English America*. The book was published by Bucknell University Press in conjunction with Associated University Presses.

Dr. Rifornio's book examines the life of Henry Melchior Muhlenberg, founder of the Lutheran Church in America. The history of American Lutheranism before, during and after Muhlenberg is discussed, along with Lutheran involvement in the life of Pennsylvania. Dr. Rifornio also traces the development by Lutherans of various religious ideas that have had a significant impact on American religious and political history.

Dr. Rifornio holds bachelor's and master's degrees from Fordham College, a Licentiate in Philosophy from Woodstock College, and a Ph.D. from Penn State. A member of the Shenango Valley faculty for seven years, he is also the author of scholarly articles and a textbook.

During the 1850s, the doctrine of Manifest Destiny — that it was the will of God for the United States to occupy the entire Western Hemisphere — sparked a number of forays into Latin American countries by adventurers, disappointed California gold seekers and others who sought to expand U.S. boundaries.

That period and the expansionist movement are the subject of *Agents of Manifest Destiny: The Lives and Times of the Filibusters*, a new book by Charles H. Brown, professor emeritus of journalism. The book was published by the University of North Carolina Press.

Internally, the nation's political attention was drawn to problems of slavery and its extension into new territories during the decade preceding the Civil War. But the spirit of expansionism was also a strong political force at that time, and Mr. Brown provides new information on the movement itself and some of its leaders.

Prof. Brown, a faculty member from 1947 to 1972, is the author or co-author of six previous books. He is now living in Oklahoma.

Dr. Joseph W. Michels, professor of anthropology, is the editor of a new book, *Settlement Pattern Excavations at Kaminaljuyu, Guatemala*. Publication of the 740-page book was subsidized by a grant from the National Science Foundation. The book is the fifth volume in the Pennsylvania State University Press Monograph Series on Kaminaljuyu. The book, like the other volumes in the series, reports on the results of the Anthropology Department's large-scale archaeological excavation of the prehistoric Mayan ceremonial and political center on the outskirts of Guatemala City that took place between 1968 and 1971 under the direction of Dr. Michels and Dr. William T. Sanders, professor of anthropology.

The volume deals with the history of residential settlement based on the analysis of evidence uncovered through the excavation of over 500 separate trenches scattered over the 7½ square kilometer area of the site.

Promotions

Clerical

Joan A. Kastner to senior coder in Undergraduate Admissions.
Kathy Leitelt to clerk-typist A in Liberal Arts.

Technical Service

Charles D. Wert to driver courier at Hershey.

25-year chairs



Wade H. Harpster Jr. was recently honored for 25 years of service to the University. He began his University employment in 1952 as a greens cutter on the golf courses. He then worked as a laborer, blacktopping parking lots.

For 16 years he worked as a floor mechanic, laying tiles, linoleum and brick before assuming the position of electrician. Since 1970 he's been an electronics technician B in UDHS. His responsibilities include repairing tape decks, recorders, dial access equipment and audio-visual machines.

Mr. Harpster and his wife, Helen, live in Stormstown. They have two daughters and one son.



Frances Mae Parsons

Three Nittany Lion Inn employees recently celebrated a combined total of 75 years of service to the University. Each of the three started at Penn State in 1954.

Dorothy Martin Bloom and her sister Sara Martin began working at the Inn on the same day — April 1. Ms. Bloom advanced from second cook to first cook. She has one son, Fred, and three grandchildren.

Sara Martin began her employment as a waitress and presently has the title of table attendant. She makes her home in Bellefonte.

Frances Mae Parsons has held a number of positions during her 25 years at the Inn. She worked as waitress, hostess, switchboard operator, upstairs housekeeper, and, for the last 12 years, as front desk clerk. Ms. Parsons and her husband, Robert, are State College residents. They have two children.

Retirements

Theodore S. Polesky, research assistant in agricultural economics, retired from the University on Jan. 1 after 25 years of service.

He joined the Department of Agricultural Economics on Jan. 1, 1955, holding positions of increasing responsibility. His last position involved working with statistics and computer program data.

He and his wife, Anna, will continue to reside in State College.

Virginia C. Baum, an admissions counselor in the Division of Admissions, Records and Scheduling, will retire Jan. 19. She has been a member of the University staff since July 19, 1964.

Marian M. Spancake retired Jan. 1 as a library assistant at the Altoona Campus, a position that she had held since July 15, 1964. She is a graduate of Juniata College.

The Spancakes are a Penn State family. Husband Fred is a Penn State alumnus who graduated in chemical engineering. Son, Larry, a business administration graduate, also worked for Penn State from 1968-71 in the Office of Budget and Planning.

After 26 years of service, M. Grace Limer retired Jan. 1 as a group leader for food production in Findley Hall. Ms. Limer was in charge of all salads and salad dressings there. Starting out as a counter woman in Waring Hall in 1953, she also worked in Johnston Hall before moving to Findley in 1965.

Ms. Limer's husband, Andrew, worked at Penn State as a painter for 16 years. The couple lives on a farm near Port Matilda with their son and daughter.

Ethel V. Stamm, a janitorial worker in the Office of Physical Plant, will retire Jan. 19. Ms. Stamm first came to Penn State in 1960 as a part-time worker in the creamery salesroom. She assumed full-time responsibilities in Borland Lab in 1962. She was a group leader in the Milk Test Laboratory before moving to the janitorial service staff in 1976.

She and her husband, Kenneth, have one daughter and three grand-children — one of the latter, Sandra Lowery, works as a clerk-typist in the College of Agriculture.

Guy J. Camp, a maintenance worker, utility, at the Wilkes-Barre Campus, retired Jan. 5. He had joined the staff July 16, 1973.

Victor A. Schiavoni, a patient service aide at Hershey, retired Jan. 5. He had been an employee since Oct. 12, 1970.

C. Earl Whitmoyer, a supervisor at Capitol Campus and an employee since Jan. 6, 1969, retired Jan. 1.

Doris Humphrey, a janitorial worker in the Office of Physical Plant, retired Jan. 1. She had been employed since Nov. 10, 1969.

James R. Rorabough, a manager, maintenance and utilities operations at Capitol Campus, retired Jan. 1. He had joined the staff Nov. 1, 1966.

Obituaries

Andrew K.A. Kafka, an associate professor of speech communication at Hazleton from 1955 to 1975, died Jan. 4. He was 70 years old. Prof. Kafka held three degrees, a B.S. from New York University, an M.S. in English from Brooklyn College, and an M.A. in educational guidance from Columbia University. He was the author of numerous articles.

Gilma M. Olson, a member of the faculty from 1939 to 1966, died Jan. 3 at the age of 75. An associate professor of foods and nutrition at her retirement, she had earned her B.S. at Iowa State College and her M.S. at the University of Minnesota.

Paul Jarmotz, a research assistant in the College of Science since 1950, died Jan. 9. He was 62.

Sue E. Zerby, a clerk typist in the College of Agriculture since 1976, died Dec. 31. A Bellefonte native, she was born June 28, 1958.

Harry C. Eisenhauer, a painter with the Office of Physical Plant from 1957 to 1965, died Jan. 4 at the age of 80.

Simeon W. Hartshorne, a residence hall worker in Housing and Food Services from 1957 to 1974, died Jan. 9. A Phillipsburg, PA, native, he was 66.

Funding Sources

For further information, call 865-1372

(330-1) The Resource Information Service (RIS) provides information to faculty and staff to support their mission of obtaining project funding for instruction, research, continuing education and for fellowships. RIS is the liaison between Penn State and the Office of Federal Programs (OFF/ASCU), Washington, D.C. OFF provides Penn State with continuous monitoring of public and private agencies. RIS reviews subscribed information from numerous sources, including the Federal Register and the Commerce Business Daily and receives direct mailings from agencies concerning their programs. RIS makes direct (unsolicited) information distributions to faculty and staff to promote awareness of public and private programs; responds to faculty/staff inquiries about programs and contacts; and through a Preliminary Proposal Outline (PPO) mechanism, locates support funds. For detailed information about RIS assistance, contact M.R. Kohler, Room 8 Old Main, 865-1372 (Network 8-475-1372).

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University Park Calendar

Jan. 17-27 Special Events

Thursday, Jan. 17
Winter Carnival Candlelight Dinner, 4:45-6:45 p.m., HUB Terrace Room.
Cinematique, *Partner* (Bertolucci), 6:30 p.m., Room 105 Sparks.
CSA, Winter Survival workshop, 7:30 p.m., Room 101 Kern.
Mortar Board Society, "Last Lecture Series," 8 p.m., HUB Assembly Hall. Rosemary Schraetz, asst. provost; Rick Roy, director; MRL, John Salvia, special education; Dennis Sporre, general education, speakers.

Friday, Jan. 18
Board of Trustees meeting, Keller Bldg.
Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Harold Dickinson, art history, emeritus, on "Ten Pennsylvania Buildings."

Winter Carnival Candlelight Dinner, 4:45-6:45 p.m., HUB Terrace Room.
Commonplace Theatre, *Halloween*, 6:30 and 9:30 p.m., Room 112 Kern.
Artists Series, Claude Kipnis Mime Theatre, 8:30 p.m., Eisenhower Auditorium.

Saturday, Jan. 19
Board of Trustees meeting, Keller Bldg.
Faculty Women's Club Mid-Winter Coffee, 9:30-11:30 a.m., Memorial Lounge, Eisenhower Chapel.

Sports: fencing (men) vs. William Patterson, 1 p.m.; swimming and diving vs. Pittsburgh, (women) 1 p.m., (men) 4 p.m.; basketball vs. Rutgers, (men) 1:10 p.m., (women) 3:10 p.m.; volleyball (men) vs. Alumni, 7 p.m.; gymnastics (men) vs. Ohio State, 8 p.m.
France-Cinema, *Going Places*, 7 and 9 p.m., Room 112 Kern.

Artists Series, Claude Kipnis Mime Theatre, 8:30 p.m., Eisenhower Auditorium.

Sunday, Jan. 20
University Chapel Service, 11 a.m., Eisenhower Chapel. Celebration of Christian Unity.
Artists Series, Claude Kipnis Mime Theatre, 2:30 p.m., Eisenhower Auditorium.
Choral Concert, Anthony Leach, conductor, 3:30 p.m., Music Bldg. Recital Hall.
France-Cinema, *Going Places*, 7 and 9 p.m., Room 112 Kern.

Monday, Jan. 21
Richard DYer-Bennet, professional folk singer and music scholar, SUNY/Stony Brook, on "Voice Training for the Actor," 9:30 a.m., Room 119 Arts II; "The Oral Tradition of Myth, Folklore and Legend," 2:20 p.m., Room 112 Kern.
Audio Visual Services, Connections film, "Thunder in the Skies," 12:15 p.m., Room 112 Kern.

Deadline for IAHS research grant applications for Summer and Fall Terms 1980, 5 p.m., Hiesing Cottage.

Commonplace Theatre, *Halloween*, 6:30 and 9:30 p.m., Room 112 Kern.

Shakespeare videotape, BBC, *Macbeth*, 6:30 p.m., Room 101 Chambers.

Color Slide Club meeting, 7:30 p.m., Room 189 MRL.



Corrine Gulas will go for PSU against Rutgers.

Arts Roundup

Playhouse to host five top regional plays

Five of the best plays in a six-state area will be presented at University Park during the American College Theatre Festival Region II finals Jan. 23-27.

The Festival, now in its 12th year, is designed to honor and recognize dramatic talent among American colleges and universities. Students from Pennsylvania, New York, New Jersey, Delaware, Maryland and Washington, DC, will compete for honors on an individual basis in such diverse areas as acting, criticism, comedy writing and design. A national judging team could also send the best college production of a play on to the national finals in the John F. Kennedy Center for the Performing Arts.

The five plays to be presented in this year's finals will be David Rabe's *Streamers*, marlowed by SUNY-Buffalo; Christopher Marlowe's *Dr. Faustus*; Villanova University's *Wole Soyinka's The Lion and the Jewel*; Morgan State College; *The Drummer I Must March To*, University of Maryland; and an original work, Vincent Smith's *Nobody, An Evening With Bert Williams*, also by the University of Maryland.

The INTERCOM calendar contains information on the times, dates and location of these plays, which are open to the public. Persons wishing to attend may reserve tickets by calling (814) 863-0381 or stop by Room 137 Arts Building. Tickets,

which are priced at \$2.50 apiece, will also be available at the door.

Wagner Choral will replace Glinka Chorus

The tour of the Glinka Chorus of Leningrad has been cancelled by the Soviet Union. This Artists Series event, which was scheduled for Friday, Jan. 25, at 8:30 p.m. in Eisenhower Auditorium, will be replaced by a concert by the Roger Wagner Choral. The Wagner Choral concert will be held the same evening at 8:30 p.m. in Eisenhower Auditorium, and patrons may use the Glinka Chorus tickets for this performance.

A limited number of additional tickets to the Roger Wagner Choral will go on sale at the Artists Series HUB Booth and Eisenhower Auditorium Box Office beginning Tuesday, Jan. 22, from 9 a.m. to 4 p.m.

The Roger Wagner Choral has appeared in each of the 50 states and has toured throughout the Middle East, Europe, South America, Mexico, Canada and Japan. Leopold Stokowski called it "second to none in the world," and Eugene Ormandy has described it as "the finest chorus I have ever conducted."

Director Roger Wagner has served as guest conductor for the Los Angeles Philharmonic and has made many recordings with the Choral. The group's repertoire ranges from 16th century church music to American folk songs and spirituals and works by contemporary composers.

(Continued on page 4)

Sports: basketball (men) vs. Johns Hopkins, 8:10 p.m.

Tuesday, Jan. 22
WPX-TV doc. series, *Religion in Rural America*, "Sugar Valley Sampler," noon, Kern Lobby.

Comp. Lit. Luncheon, 12:15, alk. 1 p.m., Hotel State College. Richard DYer-Bennet, folk singer and music scholar, on "A Reflection on Folk Song."

Sports: swimming (women) vs. West Chester, 3:30 p.m.

College of Agriculture faculty meeting, 4 p.m., Room 301 Ag. Admin. Bldg.
School of Music Common Hour, 4 p.m., Music Bldg. Recital Hall. Richard DYer-Bennet on "Poetry in Translation: Schubert's 'Die schoene Mullerin,'" with P. Dettmar, piano.
Comp. Lit. Film Series, Andrej Wajda, *Ashes and Diamonds*, 7 and 9 p.m., Room 112 Kern.

College of Earth and Mineral Sciences lecture, 7:30 p.m., Room 112 Kern. C.L. Foster, dean, E&MS, on "Some Impressions of China — Post 'Gang-of-Four.'"

Wednesday, Jan. 23
Richard DYer-Bennet, a program of poetic declamation: Excerpts from Robert Fitzgerald's translation of Homer's *Odyssey*, 7:30 p.m., Room 112 Kern.

Sports: gymnastics (women) vs. Louisiana State Univ., 8 p.m.
Penn State Symphonic Wind Ensemble concert, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, Jan. 24
Brown Bag Performing Arts Hour, 12:30 p.m., HUB Assembly Hall. Carolyn Bowes, folk guitarist.
Cinematique, *My Name Is Nobody*, 6:30 p.m., HUB Assembly Room.

American College Theatre Festival XII, Region II finals. Morgan State College, *Wole Soyinka, The Lion and the Jewel*, 8 p.m., The Playhouse.

Friday, Jan. 25
American College Theatre Festival XII, Region II finals. SUNY-Buffalo, David Rabe, *Streamers*, 1 p.m.; Univ. of Maryland, Vincent Smith, *Nobody, An Evening with Bert Williams*, 8:30 p.m., both in The Playhouse.

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Ronald Abler, geography, on "Geographical Effects of Changes in Federal Communications Policies."

France-Cinema, *Seven Beauties*, 7 and 9 p.m., Room 112 Kern.

Sports: gymnastics (men) vs. York of Canada, and (women) vs. Michigan State, both at 8 p.m.

Artists Series, Robert Wagner Choral, 8:30 p.m., Eisenhower Auditorium.

Saturday, Jan. 26
American College Theatre Festival XII, Region II finals. Univ. of Maryland, *The Drummer I Must March To*, 1 p.m.; Villanova Univ., Christopher Marlowe, *Dr. Faustus*, 8:30 p.m., both in The Playhouse.

Sports: basketball (women) vs. St. Joseph's, 4 p.m., (men) vs. Fairleigh Dickinson/Teaneck, 8:10 p.m.

France-Cinema, *Seven Beauties*, 7 and 9 p.m., Room 101 Kern.

Sunday, Jan. 27
Sports: volleyball (men), Nittany Lion Invitational, 9 a.m.

University Chapel Service, 11 a.m., Eisenhower Chapel. The Reverend Patricia Thomas, PSU Episcopal Student Assn., speaker.

Commonplace Theatre, *Barbarella*, 7 and 9 p.m., Room 101 Kern.

Seminars

Thursday, Jan. 17
Computer Science, Helmut Alt, computer science, on "Functions Equivalent to Integer Multiplication," 4 p.m., Room 325
Whitmore (new listing).

Acoustics, Robert Burkovitz, research director, Tedyne-Acoustics Research, on "Digital Signal-Processing Techniques in Loudspeaker System Design," 4 p.m., Room 75 Willard (new listing).

Friday, Jan. 18
Analytical Chemistry, Gary Small, graduate student, on "Computer Assisted Interpretation of Interferometric GC/FTIR Data," 11:10 a.m., Room 333 Whitmore.
Physical Chemistry, Michael Roland on "CARs Studies of Molecular Motion," 2:30 p.m., Room 333 Whitmore.

Horticulture, Nathan Hartwig, agronomy, on "Weed Control as a Science," 3:55 p.m., Room 10 Tysen.

Tuesday, Jan. 22
Organic/Inorganic Chemistry, John B. Brenner, Univ. of Tasmania, on "Studies on the Synthesis of Fused Medium-Ring Heterocycles," 12:45 p.m., Room 333 Whitmore.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Psychology, Gordon Shulman, Northwestern University, on "Asymmetry in the Control of Eye Movements and Attention," 1:15 p.m., Room 351 Moore.
Geosciences, Robert Eckhardt, anthropology, on "Human Origins: The Afar Evidence," 3:45 p.m., Room 26 Mineral Sciences.
Biology, Randall S. Alberte, Univ. of Chicago, on "The Organization of Chlorophyll in vivo — Implications for Photosynthetic Adaptive Strategies," 4 p.m., Room 105 Ferguson.

Thursday, Jan. 24
Chemistry, Andrew Kildor, Exxon Research and Engineering Co., on "Infrared Laser Chemistry of Complex Molecules," 12:45 p.m., Room 333 Whitmore.
Statistics, Ronald D. Snee, duPont, on "Statisticians in Industry: Training and Consulting," 1:30 p.m., Room 60 Willard.
Physics, E. Fagen, Univ. of Delaware, on "Applications of Solid State Physics to Energy Problems," 3:50 p.m., Room 333 Whitmore.

Mathematics, Harry Furstenberg, Hebrew Univ., on "Dynamic Systems in Number Theory," 4 p.m., Room 102 McAllister.
Statistics, Ronald D. Snee, duPont, on "Identification and Interpretation of Large Tables of Data," 4 p.m., Room 60 Willard.
Acoustics, James B. Moreland, Westinghouse R & D Center, Pittsburgh, on "Acoustics and Noise-Control Research at Westinghouse," 4 p.m., Room 75 Willard.

Friday, Jan. 25
Analytical Chemistry, Eugene Karwacki, graduate student, on "Molecular Beam Epitaxy," 11:30 a.m., Room 333 Whitmore.
Physical Chemistry, John Lowe, chemistry, on "MO Theory and Organic Conductors," 2:30 p.m., Room 333 Whitmore.

Exhibits

Ferguson Library: Forestry exhibit, "Douglas Fir Research at Penn State," prepared by Edgar H. Palpani.

HUB Galleries: Traveling print exhibit, The Gallery. Nancy Strain, prints and drawings, Browning Gallery. John Caroline, stained glass; Central Pa. Scholastic Art Award exhibit, through Jan. 26; PSU Camera Club exhibit, opens Jan. 27.

Kern Commons: Mary Keibhan, paintings, and Marty Tyllien, ceramic constructions, through Jan. 19. Penn State Film Follies posters, opens Jan. 20.

Museum of Art: With McCoy, recent paintings; sculpture from the permanent collection; Pennsylvania prints from the collection of John C. O'Connor and Ralph M. Yeager.

Pattee Library: The 1980 Olympics, books, brochures, paraphernalia. Main Lobby. Martin Pasco, paintings and drawings, through Jan. 25. Lending Services Lobby. "The Marvelous Travels of Baron Muchausen," from the Allison-Shelley Collection, Rare Books Room.

Visual Arts Bldg. Zoller Gallery: Graduate Student Show, through Jan. 20. McCoy Retrospective, opens Jan. 27.



Tom Wilkinson to play in Jan. 19 doubleheader.

News in brief

(Continued from page 1)

Post Office, as well as from the Immigration and Naturalization Service — but only until Jan. 31. Aliens should complete the cards and return them to the Post Office.

All aliens, even those holding permanent resident status, must comply with this regulation or face severe penalties.

Social Security base up

The Department of Accounting Operations reminds faculty and staff members that if their earnings are greater than \$22,900, their social security (FICA) deduction will be higher in 1980, as mandated by Federal law.

The social security base increases from \$22,900 to \$25,900, effective Jan. 1, 1980. The rate of 6.13 percent remains the same. The maximum annual deduction will be \$1,587.67. This is an increase of \$183.90 above the 1979 maximum.

Those affected by this increase will ultimately receive higher benefits from Social Security. Since benefits are based on amounts paid into the system, each time the maximum base increases, it means that those affected will draw more benefits.

Winter Carnival dinners

at HUB Thursday and Friday

The Terrace Dining Room at the Hetzel Union Building will hold Winter Carnival candlelight dinners from 4:45 to 6:45 p.m. Jan. 17 and 18.

Entrees will include boneless breast of chicken with cranberry dressing, roast rib

of beef au jus, seafood newburg on bed of rice, braised lamb with mushrooms and wine sauce, and grilled ham steak with spiced fruit.

*** 1/4

"Be Penn State Proud," a 9½-minute presentation about Penn State — its missions, accomplishments and public service programs — has just been released by the Office of Public Information and Relations.

Illustrated with scenic shots from Penn State's Campuses, "Be Penn State Proud" is available either as a slide/audio cassette program or as a 3/4-inch videocassette.

Faculty and staff members who would like to borrow the program to use in either on- or off-campus presentations should contact Art Stober, Room 312 Old Main, University Park, PA 16802, or telephone (814) 865-7517.

Old Main Christmas party helps Meals on Wheels

Spirited bidding in a "Silent Auction" held Dec. 19 in Old Main has resulted in a check for \$184.85 being sent to Meals on Wheels in State College.

Employees in Old Main brought in a dazzling array of hand-made Christmas centerpieces and ornaments — enough to fill a large table in the second floor conference room — on the day of the Old Main Christmas Party.

A sheet of paper was placed beside each ornament so that those who worked in the building and all visitors could write down a bid for the trinket they liked best. Competition was encouraged — each bid

had to be higher than the ones already recorded.

The quality of the ornaments and the spirit of the bidders were so high that this year's auction returned \$100 more than last year's.

Catering service available

A catering service, available for use by faculty and staff members, is now operating under the supervision of the Food Service and Housing Administration program in the College of Human Development.

The Catering Division of the Penn State Hotel and Restaurant Society will cater parties of up to 100 persons on weekends at the Maple Room in the Henderson Human Development Building. During the week it will furnish catering services for parties of any size at locations around the State College area.

The students in the Society will also offer Sunday brunch each week from 11 a.m. to 2 p.m. at the Maple Room, beginning with a Super Bowl Sunday Brunch Jan. 20.

The Penn State Hotel and Restaurant Society has catered dinner-theater and madrigal dinners at the Kern Graduate Center, and has serviced other banquets.

Interested persons may call 865-1736 during the day or 238-5721 in the evening.

Address change for Small Industries Research

Effective immediately, the office address for Small Industries Research will be Room 225 Pond Laboratory. The telephone number remains the same — 865-9519.

toured for the U.S.O. in the Philippines. In 1944, he made his concert debut at Town Hall in New York and continued annual concert tours until 1970, when he joined the faculty of the Department of Theatre Arts at SUNY-Brock.

His first program at the University will be a discussion of "Voice Training for the Actor" from 9:30 to 10:50 a.m. Monday, Jan. 21, in Room 119 Arts Building. That afternoon, he will present a lecture on "The Oral Tradition of Myth, Folklore and Legend" at 2:20 p.m. in Room 112 Kern.

On Tuesday, Jan. 22, he will discuss "A Reflection on Folk Song" for the Comparative Literature Luncheon from 12:15 p.m. to 2 p.m. at the Hotel State College. At 4 p.m., Tuesday, Mr. Dyer-Bennet will join pianist Phil Dettra to present "Poetry in Translation: Schubert's Die Schöne Müllerin in the Music Building Recital Hall."

Mr. Dyer-Bennet's visit is supported by the College of the Liberal Arts, the School of Music, the Departments of English, Speech Communication, Classics, and Theatre and Film, along with IAHS. All five sessions are open to the public.

Symphonic Wind Ensemble to offer Jan. 23 program

A program of English classics for wind instruments will be presented by the Penn State Symphonic Wind Ensemble at 8:30 p.m. Wednesday, Jan. 23, in the Music Building Recital Hall.

Works by five composers have been selected for the program, among them Gustav Holst's "Second Suite" and "Mars, From the Planets," and Percy Grainger's "Lincolnshire Posy."

The group will also perform Gordon Jacob's "Music for a Festival"; Gilbert and Sullivan's "Pineapple Poll," a four-movement composition based on melodies from the works of Sir Arthur Sullivan and arranged by Charles MacKarens; and "March — Sea Songs" by Ralph Vaughan-Williams.

The Penn State Symphonic Wind Ensemble is composed of some 40 University students. Smith Toulson, associate professor of music, conducts the group.

Reorganization

(Continued from page 1)

years, he has served effectively as chairman of the Council of Academic Deans, chairman of the Faculty Senate, vice-chairman of the University Council, and chairman of major subcommittees or task forces in developing both the 1972 and 1980 University master plans.

Commenting on the reorganization, Dr. Scannell said:

"Joe Paterno is an acknowledged national leader in intercollegiate athletics. His promotion will assure that the entire Penn State athletic program will directly benefit from his insights and abilities as we continue to strive for excellence.

"At the same time, I am pleased that Mr. Czejak's new role with Vice President Patterson will assure that his valued experience and views will not be lost to the University."

Dr. Oswald's statement also emphasizes the vital importance in the years ahead of the director of athletics reporting to the senior vice president for finance and operations as well, so as to have a strong backup within the central administration to assure a fiscally sound department and a viable set of programs and policies.

"The department activities are unique in that they command very broad interest in, and impact upon, the University and its many external constituencies as well as the general public," Dr. Oswald explained. "Moreover, they represent a large, multifaceted, complex financial operation in need of constant and careful attention as to their fiscal condition."

"On the other hand, one of the unique strengths of the department has been and will continue to be its membership and participation in the mission of the College of Health, Physical Education and Recreation."

To deal effectively with these special characteristics, said Dr. Oswald, it was necessary to adjust the reporting relationship of the athletic director.

As for the use, maintenance and financing of facilities used by the department and the college, responsibility will be shared by the dean and athletic director under policies and procedures to be spelled out in a later document.

Dr. Oswald said sufficient staff would be provided the new athletic director to permit him to carry out effectively all of his responsibilities and to assure that his positive philosophy on sports will be integrated into all athletic programs at the University."

Commenting on his promotion, Mr. Paterno said that he appreciates the confidence that the University administration has shown in him. "I accept the challenges the position offers," he said, "and look forward to the 1980s, which promises to be a most exciting decade for intercollegiate athletics at Penn State."

Mr. Czejak, a native of Mt. Pleasant, PA, has been an employee of Penn State for 27 years. He received his bachelor's and master's degrees from Penn State in 1948 and 1954. While an undergraduate, he played on the basketball and football teams.

From 1948 to 1951, Mr. Czejak was on the athletic staff of Johns Hopkins University. He also served as a captain with the Marine Corps in the Korean War.

He joined the Penn State staff in 1953 and served in various positions in the Athletic Department before being named athletic director on July 1, 1967.

Mr. Paterno, a native of Brookville, NY, was graduated from Brown University with a bachelor's degree in English literature in 1950. He played quarterback on Brown's football team, and, after graduating, became an assistant football coach under Rip Engle at Penn State.

Named head coach in 1966, Mr. Paterno has become the most successful veteran coach in college football today. Pleased with his won-lost record, he is even more pleased with the fact that, of the 270 scholarship athletes who have played football for him, 94 percent have graduated.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made to that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Jan. 24, 1980. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), or status as a disabled or Vietnam era veteran.

SENIOR BIOMEDICAL ENGINEER — COLLEGE OF MEDICINE, Hershey Responsible to a Research Associate for the design and testing of biomedical electrical equipment and systems. Bachelor of science degree or bachelor of technology degree in engineering, plus two to three years of effective experience.

SENIOR COPY EDITOR — UNIVERSITY PRESS, University Park Responsible for editing a variety of book manuscripts, including clearing permissions, proofreading, and indexing. Coordinate copy editing with other Press functions, supervising other editors and maintaining cooperative relations with authors and production staff. Bachelor's degree in arts, sciences, journalism or equivalent, with evidence of facility in written expression and critical analysis. Two to three years of effective experience, including supervisory. Facility with a foreign language desirable.

RESEARCH ENGINEER — COLLEGE OF HEALTH, PHYSICAL EDUCATION AND RECREATION, University Park Design and develop technical data analysis system planning experimental set-ups, supervise lower level employees, conduct post-design investigations of systems so as to verify validity and effective utilization of the systems. Program and maintain the laboratory computer and provide informal instructions to graduate students. Bachelor's degree, preferably in electrical engineering with advanced degree work highly desirable. Two or three years of effective experience, including work in computer science.

Faculty Aide funds

(Continued from page 1)

by the student's financial needs.

Ms. Schumacher points out that funds are still available and that many positions are unfilled.

"We need more students to complete the application process," she urges.

'Odyssey' reading

(Continued from page 1)

form by the voice and not by the pen," Mr. Dyer-Bennet has said. "Homer spoke it, he did not write it. The Odyssey was meant for the ear, not for the eye."

Mr. Dyer-Bennet has devoted five years to mastering his performance of the Fitzgerald translation, which he is recording with the assistance of a grant from the National Endowment for the Humanities.

Mr. Fitzgerald, a professor of English at Harvard University, has achieved recognition both as a poet and a translator from the classics. His contributions in the latter area include versions of Sophocles' *Antigone*, *Oedipus Rex* and *Oedipus at Colonus*, and *The Iliad*.

Born in England, Mr. Dyer-Bennet was raised in British Columbia and California and received his education in Germany and at the University of California. His interest in traditional singing was encouraged by Sven Scholander of Sweden, a well-known self-accompanied singer, and he continued his vocal studies with G.W. Beckman.

During World War II, Mr. Dyer-Bennet

Arts roundup

(Continued from page 3)

Ibsen tickets on sale

Tickets are on sale now for Henrik Ibsen's *An Enemy of the People*, Penn State University Resident Theatre Company's (URTC) third production of its inaugural season. The drama will run Feb. 7-9, 12-16, and 19-23 at the Pavilion Theatre, with an 8 p.m. curtain time. As with all URTC productions, the cast features professional and student performers.

Brian Morgan, assistant professor of theatre, is directing the production. He also directed last season's *Our Town* and portrayed Mr. Kirby in URTC's *You Can't Take It With You*.

Tickets for *An Enemy of the People* may be reserved by calling 814-865-1884, or purchased at the URTC Box Office in Arts II Building. Box office hours are 10 a.m. to 6 p.m. Mondays through Saturdays. Mail orders can be sent to: URTC, Room 137 Arts Building, University Park, PA 16802.

Penn State Intercom

The Challenge of the '80s

Editor's note: This article is part of a series in which the academic deans reflect on what lies ahead for their colleges in the '80s.

If the latter years of the '70s inaugurated a period of retrenchment for the College of Education, its response has embodied the goals set forth for Penn State in the '80s — "quality, selectivity, and flexibility."

"Indeed, we have been very selective in our retrenchment decisions and in making plans for the future of the College in order to preserve a critical mass of personnel and programs so that we can continue our national leadership as a first rate university



Dean Hermanowicz

college of education," says Dean Henry J. Hermanowicz.

"In fact," he adds, "many of the general propositions in the *Perspective on the '80s* have become harsh but constructive reality in the College of Education."

Dean Hermanowicz indicates that from his office on down, the College has been reorganized from essentially 11 academic units to its present five divisions as a means of reducing administrative overhead and to facilitate flexible use of faculty. In addition, last year an intercollegiate organizational realignment was completed by shifting Art and Music Education to the College of Arts and Architecture.

Confronted with declining undergraduate enrollments, the College of Education has reduced the number of its faculty and staff members, has eliminated or reduced some service units, and is phasing out its Industrial Arts Education program. Internal shifts of resources and some faculty reassignments have also taken place, and the College has relinquished over 4,000 sq. ft. of space for reassignment in the University.

"All of this has been done as a result of extensive consultation with the faculty," says Dean Hermanowicz, and as one decision head put it, "The College is now lean and mean." Dean Hermanowicz adds, "Despite our leanness, we have tried to retain enough collective scholarship, talent, and muscle to help fashion an even more distinguished College of Education for the future."

Dean Hermanowicz notes that there are currently more than 1,300 schools,

(Continued on page 6)

Trustees adopt revised '80s "Perspective"

One administrative unit authorized for CWC, Continuing Ed

The administration of the University's Commonwealth Campus system, including each of the 17 campuses and the central office of the dean of academic instruction, and the University-wide Continuing Education system, including the central office of the vice president for Continuing Education, will be integrated into a single University-wide administrative unit.

The Trustees have authorized President Oswald and Provost Eddy to initiate a search for a qualified individual to be appointed vice president and dean to carry out the integration and head the new administrative unit.

They asked that the search be completed, if possible, prior to the Board's July meeting. Initially, the newly integrated unit will be known as the University-wide System of Continuing Education and Commonwealth Campuses.

"This integration will provide for more effective administration of both systems at lower cost," Dr. Oswald told the Trustees.

"The effects will be purely administrative and will not alter academic organization, authority, or personnel policies. Departmental responsibilities, promotion and tenure, for example, will not be affected."

Dr. Oswald said the goals of the integration include:

- Improved coordination of educational activities at the Commonwealth Campuses.

- Maintenance of the integrity of resident instruction at the Commonwealth Campuses, and making all credit instruction at the Commonwealth Campuses the responsibility of a unified administration.

- Reduction of administrative overhead.

- Strengthening Penn State's ability to provide educational opportunities statewide.

- Retention of the central identification and management of the University's Continuing Education programs.

- Maintenance of the integrity and transportability of the baccalaureate program among all Penn State campuses.

- Enhancement of the distinctive identity of all campuses.

In creating the new position of vice president and dean, the Trustees agreed that the new administrator's first six months in the new post would be devoted to developing the details of the integration with appropriate faculty and administration consultation. When these have been approved by the President and the Provost, the integration of the two units into a single unit will occur. The vice president and dean will report to the provost and shall serve as a member of the President's Staff and the Council of Academic Deans.

Under the current organization, the system of 17 Commonwealth Campuses with a resident student enrollment of about 13,000 students is administered under the office of the dean of academic instruction for Commonwealth Campuses.

The vice president for Continuing

(Continued on page 3)

Capping a two-year period of discussion and review, the Board of Trustees has adopted a revised *Perspective on the '80s* as the University's policy guideline for the next decade.

In adopting the document, the Trustees noted that they agreed in principle with the assumptions and directions set forth in the *Perspective*, including the agenda of actions needed to implement them.

The Board noted that specific changes which require Board action will be returned for Trustee approval. It required that an annual review of the assumptions and implementation be conducted and its outcome reported to the Trustees.

Subtitled, "An Agenda for Action for The Pennsylvania State University," the *Perspective* was developed by a Steering Committee of Penn State faculty members, administrators, and students appointed by President Oswald. Co-chairmen of the Steering Committee were Provost Eddy and Dr. Stanley O. Ikenberry, former senior vice president for administration and now president of the University of Illinois.

After two years of preparation, a draft version was released in October and members of the Penn State community, including Trustees, were asked to review it and recommend changes.

According to Dr. George J. McMurtry, chairman of the University Faculty Senate and a member of the Steering Committee, the evaluation process was greatly enhanced by the "free and open atmosphere" in which discussion was conducted.

"I particularly appreciated the freedom within the Steering Committee not only to make suggestions but also to express disagreements and discuss unresolved issues with candor and completeness," Dr. McMurtry said.

According to Dr. Eddy, 672 specific recommendations for revisions were considered in preparing the final version. Over half of the recommendations were incorporated in the final document, he reported.

"Members of the Steering Committee and members of the University community have a right to be proud of their work in preparing the *Perspective*," Dr. Oswald said. "Their long hours of intense work — much of it on their own time — and their diligent follow-up procedures in making revisions have resulted in a document that

will be an important part of Penn State's growth for the 1980s and beyond.

"On behalf of the University, I want to express my appreciation to all members of

At its meeting last week, the Board of Trustees adopted the following resolution:

WHEREAS, The Board of Trustees has adopted the document, "A *Perspective on the '80s*, An Agenda for Action for the Pennsylvania State University," and,

WHEREAS, This document will provide the University community with a sense of direction in developing recommendations for adoption of policy and actions by the Board of Trustees and other appropriate bodies within the University; and,

WHEREAS, The document was developed with a high degree of openness and full community participation, as well as an approach that was both multi-disciplinary and multi-functional;

NOW THEREFORE BE IT RESOLVED, that the Board of Trustees expresses its sincere appreciation to and commendation of the administration, the Steering Committee, its staff, and all others who assisted the Steering Committee in the development and production of this major statement.

the University community for their excellent efforts in preparing this most important document. All of us at Penn State are, indeed, indebted to all of them."

During the period between July 1978 and December 1979, Steering Committee members held 33 meetings lasting from two to four hours and seven all-day sessions. They also met twice with the Educational Policy Committee of the Board of Trustees and held numerous meetings with student and faculty representatives at University Park and the branch campuses. Members spent many additional hours preparing and reviewing discussion materials and drafts of the report as it progressed.

(Continued on page 4)

Preliminary sketch plans for HUB approved

A centralized bookstore and a new food service concept are two features of preliminary sketch plans for renovation of the Hetzel Union Building (HUB).

Trustee approval of the preliminary sketches now permits further planning and consultation with concerned groups, according to Ralph E. Zilly, vice president for business.

"The plan's intent is for retrenchment in building area, a far better use of space and improved service to everyone using the HUB," Mr. Zilly said. "The HUB is the most heavily used building on campus."

"Although these are just preliminary sketches, it's been apparent for some time that a number of major renovations to the HUB are needed," he noted. "The building is 25 years old now, and in many places it shows. The plans are an attempt to innovate as well as renovate."

None of the proposed renovations would involve the use of tuition money or State funds.

"Housing and Food Service operations pay their own way," Mr. Zilly said, and the Bookstore does too. The project would be self-amortizing.

The Bookstore's operations have been fragmented since they began in 1973. It is located in two different rooms in the HUB and on the ground floor of McAllister Building.

"Putting all product lines under one roof permits more efficient operations and would give the Bookstore ideal retail floor arrangements for the first time in its history. No changes are planned in its product line," Mr. Zilly explained.

Main features of the preliminary drawings include:

(Continued on page 3)

Penn Staters

Dr. Frederick C. Wedler, associate professor of biochemistry, has received a \$155,000 Faculty Research Award from the American Cancer Society. He is one of only six researchers in the country to receive Faculty Awards during the last funding period. Dr. Wedler will use his grant to try to tailor make chemical inhibitors for use in cancer therapy. These inhibitors are designed to shut down key chemical changes in living cells to stop cell growth.

Dr. Wedler, who joined the Penn State faculty in 1978, served previously as an associate professor of chemistry at Rensselaer Polytechnic Institute. He also served as a postdoctoral fellow at the University of California at Los Angeles and a National Institutes of Health Predoctoral Fellow at Northwestern University where he earned his doctoral degree in 1968. His B.S. was granted by the University of North Carolina.

Dr. Gene M. Love, head of the Department of Agricultural Education, has received the Distinguished Service Award of the American Association of Teacher Educators in Agriculture. The award, the highest recognition given in the U.S. for leadership in teacher education in agriculture, was conferred at the annual meeting of the Association in Anaheim, CA.

Dr. Thomas Benson, professor of speech communication, has been named to a three-year term on the editorial board of the Quarterly Journal of Speech, published by the Speech Communication Association.

Richard L. Crowley, assistant vice president for business services, presented a seminar, "Advance Purchasing Management Institute" at the meeting of the National Association of Educational Buyers this month in Orlando, FL.

Bookshelf

Dr. Marshall E. Wilcher, assistant professor of political science at New Kensington, is the author of a book, *Environmental Cooperation in the North Atlantic Area*, published by University Press of America.

The book examines the environmental activities in the early '70s of the European Communities, the Organization for Economic Cooperation and Development, the United Nations Economic Commission for Europe, and the North Atlantic Treaty Organization.

Dr. Wilcher illustrates how differences in organizational form, institutional powers, treaty instruments, and the level of integration have hampered the ability of the organizations studied to influence directly national environmental policies of member states.

Dr. Wilcher is a former military officer with NATO in Europe. He holds a doctorate from the School of Public and International Affairs, University of Pittsburgh.

Dr. Gary W. Peterson, professor of soil genesis and morphology and co-director of the Office for Remote Sensing of Earth Resources is a co-editor of a book entitled *Planning the Uses and Management of Land*.

Published by the American Society of Agronomy, The Crop Science Society of America, and The Soil Science Society of America, it includes information on several data bases for land resources and an overview of major land use planning principles and problems.

Dr. Thomas J. Knight, associate professor of American studies and history and associate dean for Commonwealth Campuses, College of the Liberal Arts, is the author of a new book entitled *Latin America Comes of Age*, published by Scarecrow Press.

The book is a study of Latin-American social and intellectual history. It also describes intellectual life in the Caribbean and among black and Hispanic minorities in the United States. The influence of the "boom" in Latin American literary and political life on the hemisphere and the world is covered as well.

Dr. E. Willard Miller, professor of geography and associate dean for resident instruction in the College of Earth and Mineral Sciences, and Ruby M. Miller, former map librarian at Pattee Library, are the authors of a bibliography entitled *Economic, Political and Regional Aspects of the World's Energy Problems*, published recently by Vance Bibliographies. With 100 pages and over 1,000 references, the book provides a broad perspective of the economic and political study of energy.

25-year chair



Dr. Vernon V. Aspaturian, Evan Pugh professor of political science, was honored recently for 25 years of service to the University. A specialist on international relations and Soviet affairs, Dr. Aspaturian is director of the Slavic and Soviet Language Area Center at Penn State.

Before joining the faculty in 1952, he earned a B.A. and a Ph.D. in political science from the University of California at Los Angeles. He served in World War II and the Korean conflict.

More recently, Dr. Aspaturian has been a visiting professor at Columbia University, The Johns Hopkins University and the Graduate School of International Studies in Geneva, Switzerland. He also is a research associate in the Washington Center of Foreign Policy Research, and serves as consultant to the RAND Corporation and to the Army War College.

His most recent book, which is being published by Indiana University Press, is *Euro-Communism between East and West*. Dr. Aspaturian served as a co-editor and co-author.

In 1971, his book, *Process and Power in Soviet Foreign Policy*, was published by Little, Brown and Company, Inc. It is a study of how ideology is converted into policy by institutions and individuals in the Soviet Union, and deals extensively with the linkages between domestic social demands and pressures, internal factional politics and Soviet foreign policy.

Dr. Aspaturian's earlier books include *The Union Republics in Soviet Diplomacy*, and *The Soviet Union in the World Communist System*. A co-author of *Modern Political Systems: Europe and Foreign Policy in World Politics*, Dr. Aspaturian has also written dozens of articles and a number of book chapters in his area of specialization.

Appointments

University Park

Michael L. O'Connor as assistant professor of dairy and animal sciences. B.S., U. of Rhode Island. M.S., Ph.D., Va. Polytechnic Institute & State U.

Robert N. Pangborn as assistant professor of engineering science and mechanics. B.S., B.A., M.S., Ph.D., Rutgers U. Formerly research associate, Rutgers College of Engineering.

Mary E. Bell as senior assistant librarian, general reference section. B.A., M.L.S., SUNY-Albany. Formerly assistant librarian, U. of Virginia. Eileen K. Bell as assistant librarian, serials cataloging section. B.A., Wittenberg U.; M.A., U. of Cincinnati. M.L.S., U. of Kentucky. Karen Nadecki as assistant librarian, serials cataloging section. B.A., River College, M.S.L.S., U. of North Carolina. Ingrid B. Caribom as research associate, Computer Center. B.S., U. of Stockholm. M.S., Cornell U. Ph.D. in progress, Brown U. Formerly research assistant, Brown U. William J. Sabol as research assistant, Applied Research Lab. B.S.M.E., Penn State. Formerly mechanical engineer, Philadelphia Naval Shipyard.

Roy A. Shaw as research assistant, Applied Research Lab. B.S.M.E., Penn State. Formerly engineer, Mack Trucks, Inc. Alfred J. Nann Jr. as lecturer in accounting and management information systems. B.A., Syracuse U. M.S.B.A., Ph.D., U. of Massachusetts. Formerly lecturer, instructor, U. of Massachusetts.

Hershey

Robert R. Kulkowski as assistant professor of anatomy and physiology. A.B., U. of Rochester; Ph.D., SUNY-Albany. Formerly assistant professor, U. of Chicago.

Viewpoint

Editor's note: the following letter was written by Dr. Grant W. Sheritt, associate professor of animal science, in response to INTERCOM's Jan. 10 article on the reaction of the University Faculty Senate regarding the proposal from the Subcommittee on the Role of the Adviser.

These comments are given from the perspective of serving for two years on two different Senate sub-committees on academic advising.

It is my understanding that both committees were appointed to attempt to formulate steps to improve advising. One may find in a report from the Council of Academic Deans (1963) that advising must be regarded as a vital service to students and that it was one of six items considered in promotions and salary increases. In the "Academic Plan" of 1972 it is stated, "the University will work to strengthen mechanisms for student advising." In "A Perspective on the '80s" we find a concern for advising and the statement in the recommendations that the University must "devise means of evaluating and rewarding excellence in advising."

In the two sub-committees mentioned earlier students and faculty attested to a lack of faculty concern, a lack of faculty interest, and a lack of reward for advising. Indeed ample evidence was presented by students that faculty advising is non-existent for many students.

There was also direct faculty evidence that some faculty believed they should not spend their time advising students although they were assigned these duties. In both committees it was believed that it was this lack of interest in advising, due to a lack of reward for advising, that led to the poor quality, and, in many cases, the complete lack of faculty advising.

It was the opinion of the sub-committee that a specific statement in promotion and tenure procedures would be the one single factor that would lead to improved advising. This does not imply all faculty would be advisers or that all faculty would be evaluated as advisers; only those specifically assigned advising as a portion of their faculty duties.

There has been much comment on the problems of evaluating advising. Certainly it is more difficult than evaluating teaching, research or public service. Indeed it is apparent we have no agreement on how to evaluate any of these and it is widely believed we do an inadequate job on all of them. It should be as appropriate to use student input and peer evaluation for advising as well as for teaching. This undue concern over evaluation appears to be the excuse for excluding advising from consideration in promotion and tenure.

We have given lip service to improving advising and to its importance as a faculty function for years but our actions belie our

statements. It seems to me it is time something concrete was done to improve advising and show the University is committed to advising as a faculty responsibility. If the faculty does not accept that responsibility, some other means of advising students — non-faculty — should be established.

Promotions

Faculty

William E. Sharpe to assistant professor of forest resources extension, College of Agriculture.

Staff Exempt

Nancy P. Durkin to assistant dining hall supervisor in Housing and Food Service.

Diane Freytag to assistant director of undergraduate admissions in Undergraduate Admissions.

A. Fraser Grigor to manager, housing services in Housing and Food Services.

Michael L. Kulig to budget planning analyst in Budget and Planning.

Marjorie J. Plouse to senior staff nurse at Hershey.

Cecilia R. Sanker to dining hall supervisor in Housing and Food Services.

Louise Tregre to administrative assistant in Management Services.

Clifford G. Way to manager, housing services in Housing and Food Services.

Clerical

Betsy L. Brooks to customer service clerk A in Bookstore.

Debra F. Brown to production clerk A in Housing and Food Services.

Wanda J. Decker to secretary A in Agriculture.

Gwendolyn C. Keene to coder A in Undergraduate Admissions.

Pamela J. Madden to Clerk A-CWSP in Student Administrative Services.

Jeanne E. Peters to cashier-check cashier in Bookstore.

Beverly A. Sampsell to secretary B in Agriculture.

Sherry K. Speese to secretary B in Continuing Education.

Margaret B. Taylor to clerk typist A at Oponit.

Carole A. Witherite to clerk A-CWSP in Student Affairs.

Technical Service

Marty H. Early to anesthesia technical aid at Hershey.

N. Eileen Keller to operating room assistant at Hershey.

Alexander A. Quinn to maintenance worker, utility at Wilkes-Barre.

Douglas A. Readler to utility worker at Hershey.

Robert M. Rodgers to second cook-main kitchen in Nittany Lion Inn.

Merrill L. Walker to maintenance worker, utility in ARL.

Robert C. Wolfe to maintenance worker at Hershey.

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University Park Calendar

Jan. 24-Feb. 3

Special Events

Thursday, Jan. 24

Cinematheque, *Vallée, My Name Is Nobody*, 6:30 and 8:30 p.m., HUB Assembly Hall.
American College Theatre Festival XII, Region II finals, Morgan State College, Wale Soyinka, *The Lion and The Jewel*, 8 p.m., The Playhouse.

Friday, Jan. 25

American College Theatre Festival XII, Region II finals, SUNY/Bufalo, David Rabe, *Streamers*, 1 p.m.; Univ. of Maryland, Vincent Smith, *Nobody*, An Evening with Bert Williams, 8:30 p.m., both in The Playhouse.

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Ronald Abler, geography, on "Geographical Effects of Changes in Federal Communications Policies."

France-Cinema, *Seven Beauties*, 7 and 9 p.m., Room 112 Kern.

Sports: gymnastics (men) vs. York of Canada, and (women) vs. Michigan State, both at 8 p.m.

Artists Series, Roger Wagner Chorale, 8:30 p.m., Eisenhower Auditorium.

Saturday, Jan. 26

American College Theatre Festival XII, Region II finals, Univ. of Maryland, *The Drummer! Must March To*, 1 p.m.; Villanova Univ., Christopher Marlowe, *Dr. Faustus*, 8:30 p.m., both in The Playhouse.

Sports: basketball (women) vs. St. Joseph's, 4 p.m. and (men) vs. Fairleigh Dickinson/Teaneck, 8:10 p.m.

France-Cinema, *Seven Beauties*, 7 and 9 p.m., Room 101 Kern.

Sunday, Jan. 27

Sports: volleyball (men), Nittany Lion Invitational, 9 a.m.

University Chapel Service, 11 a.m., Eisenhower Chapel. The Reverend Patricia Thomas, PSU Episcopal Student Assn., speaker.

Commonplace Theatre, *Barbarella*, 7 and 9 p.m., Room 101 Kern.

Monday, Jan. 28

First day to sign Spring Term NDLS and University Long Term Loans, Room 108 Shields.

Last date for March graduates to deliver final copy of theses to Graduate School.

Last date for Departments to certify to Graduate School completion of required papers for March graduates.

Last date for March graduates to order cap, gown and hood locally.

Audio Visual Services, Connections film, "The Long Chain," 12:15 p.m., Room 112 Kern.

Shakespeare videotape, BBC, *Julius Caesar*, 6:30 p.m., Room 101 Chambers.

Sports: basketball (men) vs. Richmond, 8:10 p.m.

MENC Student Recital, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, Jan. 29

Galleries, 10:30 a.m., Museum of Art. E. McSherry Fowble, graphic curator of graphics and paintings, Winterthur Museum, on "Pennsylvania Prints from the Collection of Ralph M. Yeager and John C. O'Connor."

WPSX-TV doc. series, *Religion in Rural America*, "Last Words," noon, Kern Lobby.

Comp. Lit. Lecture, 12:15, talk, 1 p.m., Hotel State College. Landon C. Burns, English, on "Epitaphy Structure in Historical Novels."

School of Music Common Hour, student performances, 4 p.m., Music Bldg. Recital Hall.

Dance Workshop, student choreography presented, 5:45 p.m., White Bldg. Dance Theatre.

Comp. Lit. Film Series, Rene Clement, *Forbidden Games*, 7 and 9 p.m., Room 101 Chambers.

Sports: basketball (women) vs. Cortland State, 7 p.m.

English Colloquium, 8 p.m., Room 101 Kern.

John Balaban, English, reads his own poetry.

Wednesday, Jan. 30

Alard String Quartet concert, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, Jan. 31

Brown Bag Performance Arts Hour, 12:30 p.m., HUB Ballroom. Interludia Folk Dance Club performance.



Gymnast Jan Anthony defies the laws of gravity. Women's team meets Cal State Feb. 2.

Campus Colleagues meeting, 4:30-6:30 p.m., Assembly Room, Nittany Lion Inn. Audrey Rodgers, English, and others discuss "The Women's Studies Option."

Cinematheque, Teshigahara, *Woman In The Dunes*, 6:30 and 8:30 p.m., HUB Assembly Hall.

UnCommon Theatre, student review, *Vanities*, 8 p.m., Room 112 Kern.

Friday, Feb. 1

Deadline for applying for Fellowships through Graduate School programs.

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Robert Frank, English, emeritus, on "The Pleasures of Sisyphus: Reflections on Literary Study."

IFC Dance Marathon, 7 p.m.-7 p.m. Sunday, Feb. 3, White Bldg.

UnCommon Theatre, *Vanities*, a character study of three high school cheerleaders, 8 p.m., Room 112 Kern.

Artists Series, New York Chamber Soloists, *Acis and Galatea*, 8:30 p.m., Schwab.

Saturday, Feb. 2

Sports: fencing (men) vs. Cornell, 1 p.m.; swimming and diving (men) vs. Temple and Texas A&M, 2 p.m.; wrestling vs. Navy, 2 p.m.; volleyball (men) vs. Army, 7:30 p.m.; gymnastics (women) vs. Cal State/Fullerton, 8 p.m.

UnCommon Dinner Theatre, dinner, 6:30 p.m., Room 102 Kern; *Vanities*, 8 p.m., Room 112 Kern.

Penn State Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sunday, Feb. 3

University Chapel Service, 11 a.m., Eisenhower Chapel. The Reverend Aaron Buzzelli, O.S.B., Penn State Catholic Center, speaker.

UnCommon Dinner Theatre, dinner, 6:30 p.m., Room 102 Kern; *Vanities*, 8 p.m., Room 112 Kern.

Richard Laird, double bass recital, 8:30 p.m., Music Building Recital Hall.

Seminars

Thursday, Jan. 24

Meteorology, John A. Dutton, meteorology, on "The Fundamental Theorems of Climate Theory—Some Proved, Some Conjectured," 3:55 p.m., Room 112 Walker (new listing).

Computer Science, Percy Tatic, computer science, on "On Pacing Rates and Working Sets for the Markov Chain Model of Program Behavior," 4 p.m., Room 325 Whitmore (new listing).

Friday, Jan. 25

Analytical Chemistry, Eugene Karwacki, grad. student, on "Molecular Beam Epitaxy,"

11:10 a.m., Room 333 Whitmore.

Physical Chemistry, John Lowe, chemistry, on "MO Theory and Organic Conductors," 2:30 p.m., Room 333 Whitmore.

Monday, Jan. 28

Microbiology, Cell Biology, Biochemistry and Biophysics, Roland M. Nardone, Catholic Univ., on "The Nexus of in vitro and in vivo Toxicology," 4 p.m., Room 101 Althouse.

Tuesday, Jan. 29

Organic/Inorganic Chemistry, J. Gainer, grad. student, on "Epoxidations with Peroxides: Mechanisms and Stereochemistry," 12:45 p.m., Room 333 Whitmore.

Geosciences, Keiliti Aki, MIT, on "Volcanic Tremors and Magma Transport Mechanisms," 3:45 p.m., Room 26 Mineral Sciences.

Astronomy, Alan P. Manser, Univ. of California/San Diego, on "Relativistic Motion in Quasars: Where Have All the X-rays Gone?," 4 p.m., Room 445 Davey.

Chemistry, John P. Fackler, Case-Western Reserve, on "Studies of Compounds Containing Metal-Sulfur and Metal-Selenium Bonds—Structures, Chemistry and Dynamics," 8 p.m., Room 333 Whitmore.

Thursday, Jan. 31

Chemistry, Robert K. Boeckman, Jr., Wayne State Univ., on "Studies of Methodology for Synthesis of Complex Natural Products," 12:45 p.m., Room 333 Whitmore.

Physics, Stuart Solin, Michigan State Univ., speaker, 3:30 p.m., Room 445 Davey.

Meteorology, Hampton Nish Shirer, meteorology, on "The Unfolding Story of Singularities in Truncated Spectral Models," 3:55 p.m., Room 112 Walker.

Friday, Feb. 1

Analytical Chemistry, Joseph Yakupkovic,

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

grad. student, on "Analysis of Vitamins in Foodstuffs by HPLC," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Mark Crisanti on "Kinetics of the Folding of the α -subunit of Tryptophan Synthase Base," 2:30 p.m., Room 333 Whitmore.

Exhibits

Chambers Gallery: Bob Andriuffi, paintings; Ron Galas, glass objects, both open Jan. 28.

HUB Gallery: Hicks Echinprint National Invitational, traveling print exhibit, through Feb. 1. The Gallery, Nancy Straly, prints and drawings, through Jan. 31. Browning Gallery, Central Pa. Scholastic Art Awards exhibit, through Jan. 26; John Caroline, stained glass, through Jan. 31; PSU Camera Club exhibit, opens Jan. 27; Jinx Webster, recent ceramic works, opens Feb. 2, all in Art Alley.

Kern Commons: Fabricrafts, patchwork and quilted objects, through Jan. 30. Penn State Film Posters, through Jan. 31; group photography exhibit, opens Feb. 2.

Museum of Art: Wirth McCoy, recent paintings; sculpture from the permanent collection; Pennsylvania prints from the collection of John C. O'Connor and Ralph M. Yeager.

Pattee Library: The 1980 Olympics, books, brochures, paraphernalia, Main Lobby. Martin Pasco, paintings and drawings, through Jan. 25. Lending Services Lobby. "The Marvelous Travel of Baron Munchausen," from the Allison-Shelly Collection, Rare Books Room.

Visual Arts Zoller Gallery: McCoy Retrospective, opens Jan. 27.

Arts Roundup

Tickets on sale for New York Chamber Soloists

The Artists Series will present the New York Chamber Soloists in Handel's *Acis and Galatea* at 8:30 p.m. Friday, Feb. 1, in Schwab Auditorium.

Acis and Galatea, first performed under Handel's direction in 1718 at Cannons, portrays the idyllic world of shepherds and shepherdesses. *Acis*, the shepherd who loves the shepherdess Galatea, battles the jealous Polyphemus for trying to win her love.

As in the original performance, the company for this presentation includes five voices—soprano, alto, two tenors, bass—and flute, two oboes, two violins, cello, bass and harpsichord. In keeping with Handel's custom, the New York Chamber Soloists perform a harpsichord concerto at intermission.

The New York Chamber Soloists, an ensemble of voices, winds, strings and keyboards, have performed in all major concert series in the United States, in many European festivals, and throughout the Middle East, the South Pacific and the Far East.

Tickets will go on sale beginning Tuesday, Jan. 29 at the HUB Booth and at Eisenhower Auditorium, from 9 a.m. to 4 p.m. daily. Phone orders on Master Charge or VISA cards may be placed by calling 863-0255, days of sale.

Friends of Museum purchase three pieces of art

Three new works of art have been donated to the Museum of Art by the Friends of the Museum. The group holds an annual purchase party to choose artworks from a selection made by the Museum staff.

Proceeds from the Friends' membership drive are used to pay for the gifts.

Chosen this year were "Bachi Form," a contemporary bronze casting by Japanese sculptor Masayuki Nagare; a miniature

stone stepa in three parts, made between the second and fourth century in North Pakistan; and "Reverie," a mixed media drawing done in 1911 by artist Max Weber.

Alard to play works by Mozart, Overton, Bloch

Works by Mozart, Overton and Bloch will be performed by the Alard String Quartet in a concert at 8:30 p.m. on Wednesday, Jan. 30, in the Music Building Recital Hall.

The program will open with Mozart's Quartet in D Minor, K. 424. Written between 1782 and 1785, it is the second of six quartets Mozart dedicated to Joseph Haydn following the composers' first meeting in 1781.

Also selected for the program is Hall Overton's Second String Quartet, written in 1954. Overton, a jazz pianist who performed with Thelonious Monk and Stan Getz, was chairman of the composition faculty at Juilliard at the time of his death in 1972. The Alard Quartet has participated in several concerts devoted to Overton's music and performed the Second String Quartet for its first concert at the University in 1962.

Ernest Bloch's Piano Quintet, the final number on the program, will feature pianist Phyllis Triolo. Ms. Triolo, whose musical association with the Alard Quartet spans 17 years, has performed at Town Hall and the Guggenheim Museum in New York and at Barker Hall and the Phillips Gallery in Washington, D.C.

The Bloch Quintet, written between 1921 and 1923 while the composer was director of the Cleveland Institute of Music, is monothematic in its expression and represents extensive use of quarter tones.

The Alard String Quartet is composed of Joanne Zagst and Donald Hopkins, violinists, Raymond Page, violist, and Leonard Feldman, cellist. All four musicians are associate professors at the University.

(Continued from preceding page)

the University and the New Kensington Campus.

Among other uses, the fund will provide money for financial aid to Campus students, library acquisitions, faculty research, and special projects which enhance the academic program.

The fund will also provide for awards recognizing outstanding contributions to the Campus, purchases of specialized educational equipment, and support of the arts through programs of art exhibits, professional entertainment, and other cultural media.

The Joseph Bradford Wharton Jr. Scholarship Fund will help outstanding students majoring in business administration.

The initial principal of the fund, \$15,000, was contributed by the Wharton Foundation in honor of Joseph B. Wharton Jr., a 1935 graduate of the University who was chairman of the board and director of the Fairchild Camera and Instrument Corp. of Mountainview, Calif., and several other corporations.

Scholarship applicants must be juniors or less, and must show superior ability in the College of Business Administration.

The Carol Jursik Memorial Scholarship recognizes student-athletes who are not Pennsylvanians and who show a commitment to scholarship, athletic dedication, and personal strength and individuality.

The initial principal of the scholarship, \$5,556, came as gifts from the women's fencing team, U.S. Steel Corp., friends and family of the late Carol Jursik, a 1978 grolgy graduate who was also an outstanding varsity fencer. She was killed last year in Pittsburgh.

Non-Pennsylvania students with superior scholastic records who participate in fencing, distance running or equitation, and who display strength of character are eligible for the scholarship.

A Technical Employees of Alcoa Metallurgical Award Fund recognizes outstanding physical science students at New Kensington.

The initial principal of the fund, \$3,000, was a joint gift to the Campus from the Alcoa Foundation and Dr. Allen S. Russell, vice president, science and technology, Aluminum Company of America.

Sophomore students at the New Kensington Campus who are enrolled in one of the physical science curricula and show outstanding academic achievement or potential will be considered for the award.

The Kenneth C. Simowitz Memorial Fund will encourage graduate students in acoustics to publish their research results.

The initial principal of the fund, \$2,757, has been given by alumni, colleagues and friends of the late Kenneth C. Simowitz, a former graduate student in acoustics from Massapequa, NY.

Current students or recent graduates in the acoustics program will be assisted in the publication of articles in accepted journals, as well as in film, patent, editorial or creative work, or such professional activity as may be approved by the Awards Committee. That committee will include the head of the acoustics program, along with three appointed faculty members and one currently-enrolled graduate student.

The W. Paul Campbell/Phi Mu Alpha Memorial Award will assist outstanding students majoring in music education.

Alumni of the School of Music's Music Education Department and the Alpha Zeta Chapter of the Phi Mu Alpha Sinfonia Fraternity of musicians have jointly contributed the award's initial principal of \$1,500 to commemorate the late Prof. Campbell, an instructor in the department.

Consideration for the award will be given to all undergraduates who are at least sophomores in music education, and manifest evidence of careers as music educators.

The Delta Gamma Golden Anchor Award has been created to aid students with severe visual impairment.

The Penn State Chapter of Delta Gamma Sorority has contributed \$1,500, the initial principal of the fund. Students of sophomore standing or higher with severe visual impairments who have attained at least a 2.5 grade point average and have demonstrated perseverance and strength of character in overcoming their handicap are eligible.

The Harry Soffer Memorial Award has been established to recognize outstanding students in business administration.

Steven I. Soffer, a 1965 Penn State graduate, has contributed the initial principal of \$1,500 in memory of his father, the late Harry Soffer, a businessman in Easton, Pa.

Business administration students who have completed their freshman year and have at least a 3.0 grade-point average are eligible for the award.

"Perspective" approved

(Continued from page 1)

The *Perspective* reaffirms some basic University policies and recommends changes in others.

In the face of a projected population decline among traditional college age groups, the document places strong emphasis on quality, selectivity and flexibility of programs. Admissions standards are to remain at current levels.

"A potentially easy answer to a possible enrollment decline would be to lower standards, but it would not be the right answer," Dr. Oswald said. "The quality of our student body must remain high if Penn State is to maintain its leadership in higher education."

"In my view, Penn State is entering the 1980s in a reasonably favorable position. Continued emphasis on quality will maintain that position."

The first major recommendation of the *Perspective* to be implemented will be an administrative integration of Penn State's Commonwealth Campuses and the University's state-wide Continuing Education program. (See page 1.)

Other broad recommendations of the *Perspective* on the '80s include:

- That the levels of both State funding and private support be raised. A corresponding goal is that student's proportionate share of the costs of education not be raised beyond the current level.

- That the University more actively recruit outstanding students, including out-of-state and transfer students to strengthen the quality and diversity of the student body.

- That levels of personnel compensation remain competitively high to maintain the quality of faculty and staff.

- That the Commonwealth Campuses work closely with their community advisory boards to meet the needs of their local areas and to enhance the individuality of the campuses.

- "Obviously, there will be changes and new developments over the course of the decade," Dr. Oswald said.

- "Responsiveness to such changes is an important part of implementing a long-term policy."

Cable TV for Mont Alto dorms

Two residence halls at the Mont Alto Campus will soon have cable television service. The Board approved the rights of way for trenches to be dug and cable laid down Conklin Hall and Mont Alto Hall on the campus. Nearly 300 students live in the two residence halls. The new cable will increase reception from two to 13 channels.



Mr. Wood

Mr. Conti

Wood, Conti reelected

Quentin E. Wood, president and chief executive officer of the Quaker State Oil Refining Corp. of Oil City, was re-elected president of the Board of Trustees for a second one-year term. Walter J. Conti, a businessman from Doylestown, was re-elected to a second term as vice-president.

Mr. Wood, a native of Mechanicsburg, has served on the Board since 1976. He is a 1948 Penn State graduate.

Mr. Conti, owner of Conti's Cross Keys Inn in Doylestown, has been a member of the Board since 1974 and has served on its Executive Committee since 1976. He is a 1952 graduate of the University.

Seven members of the Board were elected to serve on the Executive Committee. They were: Howard O. Beaver Jr., Edward R. Book, Mr. Conti, Stanley K. Schaffer, J. Luther Snyder, William K. Ulerich, and Helen D. Wise.

The Trustees also elected Patricia L. Rosdill of Petersburg associate secretary of the Board. Since 1976, Ms. Rosdill, assistant to the senior vice president for administration, has served as assistant secretary of the Board.

She joined the University staff in 1967 as a secretary in the Division of Instructional Services. In 1968, she was named secretary in the treasurer's office and in 1973, administrative assistant. She had previously held secretarial positions with three Chicago firms.

President Oswald continues as ex officio secretary of the Board, and Robert A. Patterson, senior vice-president for finance and operations, as treasurer. Other University staff members named again to one-year terms last Saturday were Mary Lou McCormick, assistant secretary of the Board, and Richard H. Baker, assistant treasurer.

Sketch plans approved for Hershey addition

An addition to The Milton S. Hershey Medical Center, approved last September, moved a step closer to initial construction after the Trustees approved sketch plans last week.

The project, which will add two bays to the east end of the crescent-shaped front of the Medical Center, will contain office and research space for faculty in the College of Medicine's clinical departments. These departments have become overcrowded in recent years due to the medical school's rapid enrollment growth.

The College of Medicine's space was built to handle 256 medical students, and enrollment is now 388.

The estimated \$10 million cost of the project will be paid for by a combination of a federal grant and funds generated by the Medical Center. No State funds or tuition are involved.

Before construction starts, final plans would have to be approved by the Trustees at a future meeting. With the appropriate approval, the addition is scheduled to be completed in the fall of 1982.

The new facilities, according to President Oswald, will permit rounding out of the academic program in both undergraduate and graduate medical education in sub-specialties in which the medical school has had limited or no faculty to date.

Five graduate degree programs discontinued

Because of limited demand, five of the University's graduate degree programs are being discontinued.

The degree programs are those leading to the M.Ed. in economics; M.Ed. and D.Ed. in philosophy; D.Ed. in Spanish, Italian, and Portuguese; and D.Ed. in speech communication. Other graduate degree programs offered by those departments will not be affected by the change.

Dr. James B. Bartoo, dean of the Graduate School, said the decision was made because of low student interest. In a time of limited resources, he added, student enrollment in the programs did not justify their continuance.

Students currently enrolled will be able to complete their degrees, but no new students will be admitted to the programs, Dr. Bartoo said.

Capitol to institute energy technology program

The Trustees were informed of the creation of a new academic program in energy technology to be offered at the Capitol Campus through the Engineering Technology Division.

According to Dr. George Grenier, head of engineering technology at Capitol, the new program is unique in the nation. "It will give associate degree holders with specialized training in mining, solar energy and other energy-related backgrounds an academic program for completion of their professional training," Dr. Grenier explained.

The chairman of the new program, David Kravitz, holds degrees from Millersville State College and is currently program chairman of the Mechanical Design Engineering Technology Program at Capitol. According to Prof. Kravitz, the new program "builds on the background of students with fossil, nuclear, and solar backgrounds." Students will learn "efficient management of energy systems."

"The need to conserve energy and reduce atmospheric pollution demands experts with broad knowledge of energy conversion methods," Prof. Kravitz added. "The graduate of the energy technology program will have the essential background subject matter and laboratory training to make him or her a valuable member of the energy producing team."

Co-op agreement finalized with Bloomsburg, St. Francis

The University has finalized agreements with Bloomsburg State College and St. Francis College of Loretto for cooperative education programs in the liberal arts and engineering.

Under the agreements — effective immediately — students may spend three years at Bloomsburg or St. Francis studying liberal arts subjects and pre-engineering courses in the basic sciences. If they satisfactorily complete the work and have recommendations from their colleges, they may enroll as juniors in Penn State engineering programs.

"Successful completion of these programs will lead to two degrees — a baccalaureate from either Bloomsburg or St. Francis and a B.S. in engineering from Penn State," said Dr. Robert E. Dunham, vice president for undergraduate studies.

"With these agreements," he noted, "a student may complete through five years of study what otherwise could require six or more years."

Another goal is to allow students who haven't yet made a decision between engineering and other disciplines an opportunity to explore more closely their own aptitudes and various areas of study.

From the Trustee Docket

CWC, Continuing Ed

(Continued from page 1)
Education currently administers a statewide system which serves over 130,000 Pennsylvanians in all 67 counties. Many of Continuing Education's credit and non-credit programs are offered through the facilities of the Commonwealth Campus system.

The integration approved will create a single University-wide unit under one administrator.

HUB planning to continue

(Continued from page 1)
— Relocation of the Penn State Bookstore into the area now occupied by the Terrace Dining Room.
— Renovations to the HUB's ground floor including construction of different food service "sections" for customers interested in hot entrees, soup and salad lunches, continental breakfasts, fast food service, and sit-down dining.
— Refurbishing of the long hallway on the HUB's ground floor to provide an improved recreation and lounge area.
— Relocation of student organization offices from the ground floor to the enlarged area on the HUB second floor now occupied by the Bookstore's gift shop.

Only after extensive interviews with faculty, administrative and student groups were the above features included in the preliminary drawings, Mr. Zilly added.

"The new food service operations," he said, "are designed to be far more attractive, convenient and economical for our customers."

Six separate food service sections are proposed, each specializing in different types of food and each with a distinctive decor.

"We're thinking, for example, of an 1890s theme at the continental breakfast section," Mr. Zilly said. "There students and others could get service before morning classes."

"There would be a different atmosphere at the hot entree station and another decor at the soup and salad area. People who want sit-down dining with table service would be able to have that, too, and the sketches call for a fast food service area as well."

The drawings also include a "deli" to be located on the HUB's ground floor where the bookstore now has its stationery and student supplies outlet. The other food service sections would be located in the approximate area of the present Lion's Den.

"Current food service research shows that attractive, specialized service is what people want," Mr. Zilly commented.

"The plan also is designed for more efficient use of facilities since, unlike the Terrace Room operation, the entire food service operation would not have to be open at one time. It would not, for example, be wise to open the hot entree section at a time when people are thinking only of breakfast."

The sketches show a renovated HUB ground floor hallway featuring a more attractive lounge area, electronic games and table tennis activities in specially designed rooms.

No official cost estimate has yet been developed, Mr. Zilly noted. If the project eventually gains final approval, the renovations would be done in stages over several years.

Eight Distinguished Alumni to be honored in June ceremony

Builders of successful careers in education, the law, business, architecture, medicine and labor relations were among eight Penn State graduates honored as Distinguished Alumni of the University.

Established by the Board of Trustees in 1951, the Distinguished Alumni Award recognizes the achievements of outstanding alumni whose personal lives, professional achievements and community service exemplify the objectives of their Alma Mater. The Award is the highest recognition bestowed upon an individual by the University and is equivalent to the honorary doctorate granted by many institutions.

Penn State's Board of Trustees selected the eight from 69 nominations for the 1980 award:

The alumni to be honored are:
Marilyn Williams Black '52, Hanover, N.H., art teacher-recreation director,
Bernice A. Ray School.

R. Paul Campbell '30, State College, Pa., retired president judge, Centre County Court of Common Pleas.

Peter Danos '43, Paris, France, president and director general, AM France.

Charles T. Douds '22, Camp Hill, Pa., retired arbitrator and a Trustee from 1956-63 and 1967-76.

William H. Moses '33, Hampton, Va., chairman emeritus, Architecture-Building Construction Engineering, Hampton Institute.

Ralph E. Peters '48, Harrisburg, Pa., president, Berger Associates Inc.

Charles D. Prutzman '18, Forest Hill, N.Y., retired attorney-executive.

Kenneth R. Weston '27, Allentown, Pa., orthopedic surgeon.

"This highly select group of alumni is 'distinguished' in every way," President Oswald told the Trustees. "In honoring them, the University honors itself, because productive and creative alumni are its greatest contribution to the world."

The Distinguished Alumni will be invited to return to Penn State June 5 through 7 for the annual Alumni Institute and Class Reunions programs. At that time, they will be honored by fellow alumni and presented brass medallions by the President of the Board of Trustees and the President of the University.

Since the Distinguished Alumni awards were established, 233 Penn State graduates, including those named this year, have been honored.

Additional safety features to be put in at Airport

The University will use \$90,000 in federal funds remaining from a previous airport project to make additional safety improvements at the University Park Airport.

Penn State Trustees authorized an amendment to a grant agreement with the Federal Aviation Administration.

"The University, by action of its Board of Trustees on Sept. 23, 1977, accepted a \$438,570 grant to cover 90 percent of the cost of safety improvements," Robert A. Patterson, senior vice president for finance and operations, told the Trustees.

"The work has been completed, and \$90,000 is left over. The FAA has authorized the use of the money for additional safety improvements."

The new improvements will include a segmented-circle wind indicator, 4,400 feet of perimeter fencing and relocation of certain high-intensity runway lights to a more useful location, according to Mr. Patterson.

Beaver's Brodhead Center to be named for Giusti

The amphitheatre of the Brodhead Cultural Center at Beaver Campus has been named the Joseph P. Giusti Amphitheatre in honor of the Campus's founding director.

The Board of Trustees approved the action upon the recommendation of President Oswald and the Beaver Campus Advisory Board.

Dr. Giusti, a Harrisburg native who became director of the Beaver Campus when it was established in 1965, resigned last June to become chancellor at the Indiana University-Purdue University Campus at Fort Wayne, Ind.

"Naming the amphitheatre in Dr. Giusti's honor is a most appropriate way of recognizing the great service that he provided the Beaver Campus," President Oswald said. "As first director of the Campus, he worked diligently at bringing it to its current high level of education and service."

Dr. Giusti commented, "It is an honor which I receive in the name of those whom the honor represents: the members of the advisory board, the faculty, the administrators, the students, and all those whose support, work and dedication have made the cultural center possible for the people of Beaver County."

"Every accomplishment in which I have been involved has been a shared one," Dr. Giusti added. "This joint accomplishment shall stand as a hallmark of the educational accomplishments which can be achieved by and for the people when working together."

Dr. Giusti provided the leadership for making the Beaver Campus an integral part of Beaver County's educational, cultural and economic life. In his 14-year tenure, the former Beaver County Hospital Annex was transformed into a 94-acre campus with 10 major buildings — the fourth largest of 17 Penn State

Commonwealth Campuses

Working with a Campus Advisory Board, Dr. Giusti in 1975 initiated a plan to construct a cultural center for use by both the campus and the community-at-large. The Brodhead Cultural Center, dedicated in 1977, features a promenade area for arts festivals and exhibits, a museum and a large reflecting pool.

Seating 800, the Center's amphitheatre is used by various Beaver County performing arts groups during the summer and is also the setting for the Campus's celebrity performance series.

Engineers chosen

The Trustees have authorized selection of United Engineers and Construction, Inc., of Philadelphia, to design a fabric filter collection system for the West Campus Power Plant.

The construction of the system will meet the requirements of a consent decree enacted between the University and the Pennsylvania Department of Environmental Resources.

"The consent decree requires that certain procedures be in place," Robert A. Patterson, senior vice president for finance and operations at the University, said. "Although the deadline has been extended until March 21, 1980, this action demonstrates our intention to stay on schedule."

Mr. Patterson told the Board of Trustees' Committee on Physical Plant, which authorized the engineer selection, that the deadline was extended to allow the state legislature time to act on a Capital projects bill which would fund the power plant project.

Scholarships announced

The establishment of a number of funds, scholarships and awards was announced to the Trustees.

The Allison-Shelley Collection Fund will enhance, preserve and make available to scholars resources on the reception of German culture into American and British societies.

The estate of the late Dr. Phillip A. Shelley, professor emeritus of German and comparative literature at the University, has provided the initial principal of over \$247,900 for the fund.

A collection of books and documents on the interaction of German, British and American cultures, the Allison-Shelley Collection of Anglica Americana Germanica will be placed in the Rare Books section of Pattee Library.

A three-member board will authorize the purchase of additional books, pamphlets, photographs and recordings to expand the collection, and oversee the care and maintenance of the existing portion.

The initial \$30,000 principal of the New Kensington Campus Endowment Fund was donated by interested persons and organizations in the campus community to fund projects and programs supportive of the educational and cultural purposes of

(Continued on next page)



The HUB, now in its 25th year and the most heavily used building at University Park, will get a new look in its bookstore and dining areas as well as other refurbishing if Trustees approve final designs.

Campus Update

The Schuylkill Campus has been offering free day-long workshops to high school students interested in electronics, computers, electrical technology, or electrical engineering.

The seven workshops held in November attracted 100 students. Five more workshops have been planned for February and March. Each workshop is limited to 14 students, with preference given to seniors. Students do not need any previous experience to qualify.

The workshops were planned and are directed by Dr. Arthur Marsicano, associate professor of engineering.

The Milton S. Hershey Medical Center has received a Pennsylvania Power & Light Co. energy conservation award for improving the insulation levels in its student housing complex, University Manor Apartments.

The apartment complex consists of 248 total-electric apartment units. Foam insulation was installed to masonry walls of the complex in 1976, at a cost of \$16,400. The following year, corrections and additions to fiberglass insulation in the attic were completed, at a cost of \$7,800.

By improving the insulation levels, about 649,000 kilowatt-hours have been saved annually, resulting in a reduction in energy costs of \$25,000 each year.

The Schuylkill Campus, through its Office of Continuing Education, is offering three unusual, new courses this term.

Earl C. Haag, assistant professor of German, has developed a course for people who can read Pennsylvania German. The course will cover poetry and prose from the 19th century to the present.

John R. Hornbrook, assistant professor of biology, is teaching "Introduction to Psychic Phenomena," designed to familiarize laypersons with variant forms of ESP, the area of survival after death, and visual and auditory apparitions. The course stresses scientific explanations, analysis, and the body of research relating to psychic phenomena.

Dr. Linda Cleveland, assistant professor of chemistry, is teaching "Chemistry of Drug Action," which surveys the physiological effects of nonprescription drugs, stimulants, depressants and antimicrobial drugs. The course offers a number of experiments in drug analysis.

general science, physics, or engineering, or an associate degree or equivalent in electrical, electronics, or mechanical engineering technology. Experience preferred.

RESEARCH AIDE-COLLEGE OF AGRICULTURE, University Park—Become familiar with the objectives and specialized techniques essential to each project. Plan the day-to-day work on research projects. Carry out specialized routine procedures including the preparation of culture media and chemical solutions and conduct biochemical tests. Collect data on research projects. Observe laboratory animals daily, record observations and obtain tissues for examination. Responsible for adequate supplies of glassware, chemicals and other materials needed in day-to-day operations. Laboratory for food chemistry and physics. B.S. in biochemistry, medical technology or biological science or equivalent, and up to one year of effective laboratory experience.

AREA REPRESENTATIVE-CONTINUING EDUCATION, Osgood—Responsible for the functions of development, organization, operation, and administration of Continuing Education programs and services within an assigned geographic district. Bachelor's degree or equivalent, plus two or three years of directly related experience or a master's degree or equivalent, plus one to two years of directly related experience.

Rewarding writing from English 10

They may not be able to stand it on their mantels, but "winning" students in English 10 composition classes have just received a special kind of trophy.

It takes the form of a 48-page paperback volume, and its deep blue cover bears the title: *Penn Statements, A Magazine of Student Writing from English 10*.

"Thousands of undergraduates pass through English 10 each year," Jeanne R. Fahnestock, director of composition, notes. "They tackle similar writing tasks, and many of our students, learning to be better writers, produce memorable and entertaining essays."

The English Department wants to recognize the students who have produced good writing and give that writing the larger audience it deserves. At the same time, we want to encourage all students in English 10 by showing them what student writers can accomplish."

The 24 essays in *Penn Statements* were culled from a much larger number of papers submitted by the instructors who taught in English 10, the University's entry level composition course. All of the submissions in a rhetorical category were read by three instructors, who chose "the most interesting and useful" for the magazine. The selections were written by students both at University Park and on the Commonwealth Campuses.

Penn Statements has nine sections, eight of them corresponding to the assignments in English 10 (Description, Narration, Process, Division Analysis, Causal Analysis, Comparison/Contrast, Classification and Definition). Students write about what they know — their hometowns and, of course, their experiences at Penn State.

"The magazine will be published once a year," Dr. Fahnestock reports, "and will be used in all sections of English 10 at University Park and on those campuses which voluntarily adopt it."

As for the ninth section, it is titled "The Best of the Worst," and one sample will give the flavor: "We lined up solemnly for this auspicious event, and as we marched into the high school auditorium, the band played popping serenade."

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Jan. 31, 1980. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

LABORATORY TECHNICIAN-INTERCOLLEGE RESEARCH PROGRAMS, University Park—Provide technical assistance on assigned research projects, directing and coordinating the work of lower-level laboratory personnel, collecting and analyzing air samples, operating and maintaining specialized electronic and laboratory instruments, writing computer programs for data analysis and related laboratory studies. Bachelor's degree or equivalent in

News in Brief

Medical claims due March 31

March 31, 1980, is the last date on which the Employee Benefits Division will accept charges for a 1979 major medical claim for University employees or their dependents. A major medical claim is established if an employee reports \$100 of eligible, out-of-pocket medical expenses incurred during the calendar year 1979.

Charges that are acceptable for a major medical claim include doctors' office calls, prescribed drugs, private duty nursing (if medically necessary), local ambulance service, oxygen, physiotherapy, insulin, and special equipment and appliances. Among charges not covered are routine physical exams, dental work, eye exams and lenses.

Limited receipts should be obtained for

eligible charges and submitted to the Employee Benefits Division with a claim form. In order to avoid delay of payment by the insurance company, all questions in the employee's section of the claim form should be fully completed. Cancelled checks and cash register receipts are not acceptable evidence of charges incurred.

Claim forms and additional information on how to report a major medical claim are available at the Employee Benefits Division, Room 113 Willard Building, the Business Offices at locations other than University Park, and the Personnel Office at the Hershey Medical Center.

Women's Studies discussion

Dr. Audrey Rodgers, associate professor of English, will lead a discussion of the Women's Studies Option at a meeting of Campus Colleagues from 4:30 to 6:30 p.m. Jan. 31 in the Inn's Assembly Room.

The '80s

(Continued from page 1)

colleges, and departments of education across the country; they are not a homogeneous lot but display considerable variability. They vary with respect to their size, quality of programs, extent of graduate offerings, and in terms of research activities.

Despite such heterogeneity, Dean Hermanowicz points out, the vast majority of these schools or colleges of education have the common element of preparing teachers. Often this fact is used as a common way of perceiving such colleges or as a common barometer for determining their present and future needs.

"While teacher preparation is a significant function of most schools or colleges of education, including our own, we should not stereotype all such units simply as being 'teachers colleges,'" he says. "For example, only about 160 out of the more than 1,300 schools and colleges of education have doctoral programs, and of that number fewer than 60 have distinguished themselves in terms of research productivity. Penn State ranks among the top 20 in this select group of 60. Furthermore, in addition to our strong teacher preparation programs, we prepare individuals for a wide variety of fields such as rehabilitation education, speech pathology-audiology, counseling, health education and a number of other diverse leadership roles in education."

Dean Hermanowicz stresses, "We are a strong, nationally reputable, research-oriented university college of education.

National surveys of the quality of colleges of education, regardless of the criteria employed, always have Penn State's College coming out among the top 10 or 20." He points to the Ladd-Lipset survey reported last year in the *Chronicle of Higher Education*, where national peer ratings placed the faculty members in education at Penn State among the top 13 in the United States. This ranking, Dean Hermanowicz notes, "is confirmed by other national surveys of program, personnel, or research qualities such as the 1977 Carter Report and the 1978 Guback-Clark analysis of R&D productivity in schools of education."

Because of the strength of its programs, along with the diversity of talents and scholarship which exist in the College of Education, Dean Hermanowicz sees an exciting future for the College and its faculty. "However, it certainly will be a future requiring creative change, tough decisions, and some risk-taking to maintain leadership during an era of declining resources," he comments.

Some of the creative changes and risks that the Dean sees in the future include:

(1) The College will be examining the feasibility of moving its undergraduate teacher education curricula into redesigned five-year certification programs with four-year baccalaureate program options in education available without certification entitlement. Dean Hermanowicz sees this as an opportunity for Penn State "to exercise even more significant state and national leadership by fashioning rather experimental, exemplary programs in teacher preparation as a unique thrust for a comprehensive, research-oriented

university such as ours. The College also will consider offering additional four-year education-related non-certification programs such as preparing personnel in instructional systems and technology to work in business and industry."

(2) The College is considering the development of a carefully planned set of extended master's degree programs to accommodate significant continuing professional education needs and/or to serve new clientele. "This certainly will be a challenge to the flexibility we can exercise in facing emerging needs," says the Dean. Two examples of such programs are a Basic Skills program emphasizing diagnostic, prescriptive strategies for the improved teaching of basic skills, and a program in Special Education to provide the new proficiencies mandated by Public Law 94-142. "Such programs are critically needed in the Commonwealth," Dean Hermanowicz says, "and we could use some of our Commonwealth Campus faculty to help us in their delivery."

(3) Master's and doctoral programs in adult education are being developed to prepare new leadership personnel in a field that will be growing dramatically in the decade ahead. In addition, a new doctoral program in educational theory and policy has been developed to prepare individuals for diversified roles related to educational issues and policies within various agencies.

(4) The College of Education will strengthen its research activities and doctoral programs as fundamental mission priorities in the decade ahead.

Research, development, and experimentation in the training of education personnel and in impacting on problems of education will play an even more prominent role for the College and its future. Pennsylvania currently faces a number of major educational needs related to the State's School Improvement Project. Inservice education is another critical need in the Commonwealth. "Penn State's College of Education is in a position to supply considerable expertise in research and evaluation and in inservice education to deal with such needs," claims Dean Hermanowicz. "I'd like to see our College make a greater impact on the problems of schooling in the Commonwealth by increased attention to both inservice education and vital research so that the knowledge which is gained is applied to the improvement of the educational enterprise. This would help the Commonwealth, and indeed the nation, find the answers to some of the tough questions we are facing in attempting to improve the quality of education."

The future for the College of Education as well as for the University will be lively, exciting and at times controversial, Dean Hermanowicz believes. He is also convinced that the College and the University are on the right track in attempting to shape their future with commitments and plans stressing selectivity and quality in the programs, service, and scholarship to be exemplified by Penn State in the years ahead.

Steve Kistler

Penn State Intercom

Amplification

In response to inquiries about the effects of the administrative integration of the Commonwealth Campus system and Continuing Education, which was authorized by the Trustees at their Jan. 19 meeting, INTERCOM is publishing the relevant portion of the text of the recommendation to the Board:

"This action is an administrative integration of two systems and does not alter:

- Present academic organization, e.g., Commonwealth Campus faculty membership in respective academic departments and colleges.
- Present academic personnel policies and procedures, e.g., policy on promotion and tenure — PS-23.
- Current academic authority, e.g., need for department and college approval of instructors for Continuing Education programs and, similarly, the need to have appropriate departmental and college approval of any new offerings, regardless of location or mode."

Senate to vote on advising proposal Feb. 5

Five legislative items are on the Feb. 5 Senate docket, among them the advising report which the Senate debated at its Dec. 18 meeting.

Responding to criticism of its initial proposals, the Subcommittee on the Role of the Adviser has modified and reordered some of its recommendations. The most controversial — that PS-23 "be modified to include academic advising as a systematic and important area of faculty responsibility and one which will be evaluated in relationship to promotion and the granting of tenure" has been changed from Recommendation 1 to Recommendation 3. The new wording states:

"University policy on Promotion and Tenure should clearly indicate that academic advising is an important part of the instructional role of most faculty members. Specific provision should be made for inclusion of appropriate indication of a faculty member's advising activities in the candidate's dossier."

Another modification occurs in the Subcommittee's first recommendation (Recommendation 2 in the earlier version). Section 32-10 of *Academic Policies and Procedures for Undergraduate Students* is to be modified by the addition of the following paragraph:

"THE ROLE OF THE ACADEMIC ADVISER THROUGHOUT THESE ACADEMIC POLICIES AND PROCEDURES FOR UNDERGRADUATE STUDENTS IS CONSULTATIVE IN NATURE. CONSULTATION IS DESIGNED TO ENGAGE ADVISER AND ADVISEE IN ALL APPLICABLE COMPONENTS OF ACADEMIC ADVISING. ADVISING IS A SERVICE TO THE STUDENT AND IS NOT AUTHORITATIVE NOR BINDING UPON THE STUDENT. IT IS AN ATTEMPT TO INTERPRET FOR THE STUDENT THOSE REGULATIONS AND REQUIREMENTS WHICH ARE INCUMBENT UPON THE STUDENT. IN ANY ACADEMIC ADVISING PROGRAM, SOME STUDENTS PROPOSE ACTIONS WITH WHICH THE ADVISER CANNOT AGREE. IN SUCH CASES, ADVISERS SHOULD INFORM STUDENTS OF THE APPROPRIATE COURSE OF ACTION. NEVERTHELESS, FINAL DECISIONS RELATIVE TO COURSE SCHEDULING AND PROGRAM PLANNING ARE THE STUDENTS'. THEY MUST ASSUME PRIMARY RESPONSIBILITY FOR DECISIONS, PARTICULARLY WHEN THESE ARE INCONSISTENT WITH

THE REQUIREMENTS OF THE CHOSEN MAJOR AND COLLEGE."

Recommendation 3 (formerly Recommendation 2) no longer suggests that units be "required" to develop advising programs. The present phraseology is:

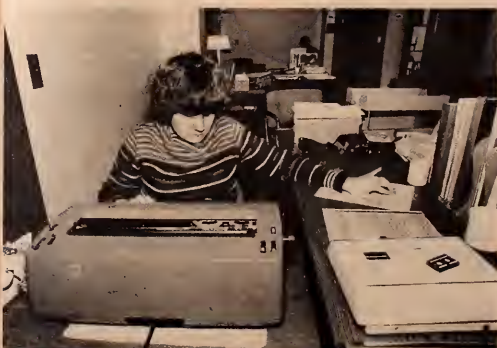
"The faculty of each academic unit should develop a definite advising program which shall include provision for training of advisers and monitoring the quality of advising within the respective units. The description of each program should be provided to the Senate and appropriate administrative officials of the University. Provision should be made for regular review and updating of the program by each unit."

The Senate will also consider a legislative proposal from its Committee on Admissions, Records and Scheduling to modify the Course Drop Policy 34-89. The new legislation is designed to clarify policy in cases where students wish to drop courses which do not occupy a standard 10-week time module. Drop limits established for 10-week courses would be modified to equivalent percentages of time for courses occupying shorter time frames.

The Senate Committee on Extended Degrees is recommending that when the

(Continued on page 4)

Blindness didn't stop her from mastering job details



Using her fingertips, Ms. Hoover reads information from a braille sheet.

The visitor, momentarily lost inside the new Human Development East Building, pokes his head in the door of Room 210 and asks the secretary for directions.

She opens her braille notebook and the reading by fingertips, quickly locates the answer. The visitor, slightly astonished, mumbles a "Thank you, Miss," and leaves, back on course.

"I think I get a better chuckle from people asking me directions than anything else," says Peggy Hoover, blind for all of her 23 years. "I wonder what they're thinking when I'm looking it up in braille."

Good humor is just one of the qualities Ms. Hoover has brought to her job as secretary in the office of the Associate Dean for Continuing Education and Commonwealth Campuses in the College of Human Development.

"She's very competent, and she brings a sensitivity to others and a commitment to her work beyond that which I normally

would expect," says William H. Parsonage, faculty associate in the Office and the person, along with colleague Margaret Basuscheck, to whom Ms. Hoover is mainly responsible.

Ms. Hoover, a resident of Pine Glen, a small town 35 miles northwest of University Park, has been working for Penn State since May 1, 1979 — five months after receiving her associate degree in secretarial studies from Thiel College in Greenville, PA.

Entering the Centre County job market, she found herself "looking all over the place." In her initial interview at Penn State, she was told that "they would keep me in mind for things I could do. I thought 'Snow-job time — you might as well look elsewhere.'"

Eventually she found a temporary job at the Centre County Library in Bellefonte, but was called by Penn State 20 days later to come in for an interview.

"A position had opened up," Mr.

Parsonage recalls. "She applied for it, was found to be competent, and on that basis was employed."

Her first day was not easy. "I'd never want to relieve it," Ms. Hoover says. "I was getting all this information about the office, and by lunchtime I felt so overwhelmed I didn't think I could ever learn all of it."

Office telephones posed another problem, for it was impossible to distinguish which of four lines was ringing from the uniform sound of the bell.

The phone company, however, adjusted the system so that each line rings in its own pitch.

Besides answering phones — a large part of any secretary's job — Ms. Hoover types correspondence, transcribing the text from cassettes, and maintains and files records, particularly those concerning part-time faculty members at Commonwealth Campuses.

The only "special" equipment she uses is an Optacon — a small machine that electronically "raises" typeface so that it can be read through sensations to the fingertips.

"The machine is invaluable," Ms. Hoover says. "I can use it for looking at personnel cards in the files or for something as simple as telling me if I have letterhead stationery going in the right direction before I put it in the typewriter."

She also uses it to read typewritten letters from her pen-pals, many of them classmates from her 12 years of schooling at the Western Pennsylvania School for the Blind in Pittsburgh.

"It personalizes the letters and gives you some privacy because no one has to read them to you," she says.

Ms. Hoover, who says she's "pretty well adjusted by now to the basics of my job," also enjoys church activities, rock music and sports, particularly baseball and Steeler football.

(Continued on page 4)

News in Brief

INTERACT seminars Feb. 4, 6

Introductory seminars on the Computation Center's newly acquired interactive editor will be held on Monday and Wednesday evenings, Feb. 4 and 6, in Room 108 Forum Building. The sessions will begin at 7:30 p.m.

Both seminars will cover the same material to accommodate faculty and staff members who have a conflict on one of the scheduled dates.

The seminars will not assume any previous computer experience on the part of those attending.

INTERACT is an additional service to that provided by the Center's Remote Job Entry (RJE), and the introduction will be suitable for current users of RJE.

According to Dr. Daniel L. Bernitt, senior research associate and head of the applications group, the Computation Center expects most RJE users to prefer INTERACT.

Ulrich dinner raises funds for Renaissance Scholars

A total of \$22,579.17 has been raised thus far for the Renaissance Fund through contributions of individuals and organizations at the Fund's "Bill Ulrich Day" recognition dinner held last November.

Additional pledges have been received that would raise the total to approximately \$25,000, according to Mimi Ungar Coppemish, member of the University Board of Trustees and chairman of the "Bill Ulrich Day" committee. The money was raised to create the William K. Ulrich Renaissance Scholars.

Mr. Ulrich, a long-time member of the Board of Trustees, served as board president from 1975 through 1978. He is a 1931 graduate of the University.

(Continued on page 4)

Penn Staters

Graham B. Spanier, associate professor of human development and sociology, is one of 15 national experts requested to join the new Task Force on Families of Catastrophe, organized by Purdue University's Family Research Institute. At the request of the U.S. State Department, the Task Force will meet for the first time on Feb. 4-5 in an emergency session to devise policy options related to the families of the 50 American hostages in Iran.

After the meeting, the Task Force will remain intact to deal with the problems the hostages' families may face as the situation develops and to work, as occasions demand, with other kinds of catastrophic events related to the welfare of families.

Dr. Spanier, who also is associate dean for resident instruction in the College of Human Development, was chosen for his expertise in family sociology, life-span development, and marriage and family counseling, according to Dr. Charles R. Figley, director of Purdue's Family Research Institute.

Dr. John C. Johnson, professor of engineering research and director of the Applied Research Laboratory, has been elected to a one-year term as the president of the Institute of Noise Control Engineering (INCE).

Dr. Stanley F. Paulson, dean of the College of the Liberal Arts, has been elected to a three-year term on the board of directors of the Association of American Colleges.

Dr. Parris H. Chang, professor of political science, recently returned from a three-week trip to the People's Republic of China, where he gave three lectures on American foreign policy and the American political system. He spoke at the Peking Institute of International Relations and at Chengchow University in Chengchow, Honan Province.

Dr. George E. Andrews, professor of mathematics, has been appointed 1980 Hedrick Lecturer of the Mathematical Association of America (MAA). As Hedrick Lecturer, Dr. Andrews will present three major addresses at the Association's August meeting in Ann Arbor, MI. He will discuss the theory of partitions. The Hedrick Lecture Series is named in honor of Earle Hedrick, a founder of the MAA, and is a major feature of the Association's summer meeting.

Dr. Caroline D. Eckhardt and Dr. Daniel Walden have been elected to the Delegate Assembly of the Modern Language Association of America, which is the main professional organization for scholars in the fields of modern language and literature. Dr. Eckhardt is associate professor of English and comparative literature; Dr. Walden is professor of American studies and also teaches in English and in comparative literature.

Dr. William Demuth, professor of surgery at Hershey, presented two lectures as a visiting professor at Wayne State University School of Medicine. He discussed "Non-Penetrating Injuries of the Heart" and "The TMI Experience from the Standpoint of a Medical School."

Basketball trainer and instructor Sayers "Bud" Miller has been selected to serve on the training staff for the Winter Olympics in Lake Placid, NY. He is one of 28 trainers from the United States selected to staff a clinic that will serve all Olympic athletes.

Dr. Joseph Jordan, professor of chemistry, presented an invited paper at the Gordon Conference on Electrochemistry in Santa Barbara, CA, on Jan. 30. He reviewed the "State of the Art" of Voltammetry at Glassy Carbon Indicator Electrodes" based on work at Penn State and on a cooperative research effort at Louis Pasteur University in Strasbourg, France.

Dr. John R. Nesselroade, professor of human development, has been appointed acting associate dean for research and graduate study in the College of Human Development, effective immediately. He also will chair the search process for a permanent appointee to the position.

Dr. Nesselroade joined the University in 1972 as an associate professor, being promoted to professor in 1975. Since 1977, he has been professor-in-charge of the graduate program in Human Development and Family Studies.

His research focuses on methodological and substantive aspects of behavioral development over the lifespan. He is author or co-author of some 40 scientific papers, books and monographs.

A 1961 mathematics graduate of Marietta College, he earned his M.A. and Ph.D. degrees in psychology at the University of Illinois. From 1967-72, he was an assistant and later associate professor of psychology at West Virginia University, where he also served as a research associate in the Human Resources Research Institute.

Bookshelf

Two researchers in the College of Human Development are the co-authors of *Adolescent Development: A Life Span Perspective*, a new book published by McGraw Hill.

Dr. Graham B. Spanier, associate professor of human development and sociology, and Dr. Richard M. Lerner, associate professor of child development, developed the 557-page text for use in college courses dealing with adolescence.

The authors treat adolescence as one important part of a continuous life cycle, and thus include background information on infancy, childhood and adulthood, with attention to their relationship with adolescence. The book employs a multidisciplinary approach, intertwining the contributions of such disciplines as biology, medicine, history, law and education to the period under focus.

The book pays considerable attention to topics of special interest to college students: the social context of adolescence, physical and psychological changes, sexuality, developmental problems, the family, social problems and social change. Also included are a number of "Insights into Adolescence" — excerpts from literature which highlight the experiences of adolescents and complement the more academic material the instructor expects the student to master.

Dr. Leon F. Lyday, professor of Spanish, has just collaborated in the publication of a three-volume anthology of Spanish American drama. Edited in collaboration with Frank Dauster of Rutgers University and George Woodyard of The University of Kansas, the anthology contains nine of the most important Spanish American plays of the past 50 years, including works from Argentina, Chile, Mexico and Puerto Rico.

The volumes contain an introduction to the theatre of Hispanic America, critical commentaries on each play and playwright, and selected bibliographies. Published by Givrol Books, Inc., of Ottawa, Canada, the text is designed to give both the general public and university classes ready access to these major dramatic works.

Dr. Harold M. Frost, research associate and project scientist for nondestructive testing at the Applied Research Laboratory, has written a monograph entitled *Electromagnetic-Ultrasound Transducers: Principles, Practice, and Applications*, which recently appeared in the books series, *Physical Acoustics*. The series is published by Academic Press.

Dr. Frost has written a comprehensive and analytical review of world-wide R&D results in an emerging but effective area of technology for using ultrasound as a means to characterize and test materials nondestructively, to measure material dimensions such as thickness, and to sense motion such as rotation.

Comments on classroom conditions invited

In response to complaints from faculty members about inadequate teaching facilities in certain University Park classrooms, Room 10 Sparks Building has been completely remodeled and a final review of plans for redoing Room 121 Sparks has also been completed.

Planning for these projects is in the hands of a University Classroom Committee, which has now turned its attention to Boucke and Chambers.

The Committee was appointed by Dr. Robert E. Dunham, vice president for undergraduate studies, and Ralph E. Zilly, vice president for business. Dr. D.W. Johnson, director of the University Division of Instructional Services, serves as chairman. Members include Robert L. Allen, director of audio-visual services; Richard T. Soderberg, director of registration and scheduling; William R. Stacey, management specialist; and Philip E. Witmer, manager of physical plant support services.

The renovations to 10 Sparks involved putting in new flooring, painting the walls and replacing the old wooden seats. The seats were so ancient, Dr. Johnson notes, that repair parts were no longer available.

The display surface in the front of the room was also completely remodeled, with new chalkboards and projection screens, and a soundproof projection booth was added to the back of the room.

The new display space provides a 30-foot expanse of chalkboards and/or screens. Moveable chalkboards can double the space, making this setup one of the largest available display surfaces at University Park.

Committee members have identified other classrooms which need renovation, and they welcome input from faculty members with specific concerns about instructional conditions. Efforts will be made to do over the larger general purpose classrooms first, according to Dr. Johnson.



Janet Rockey

Two members of the staff of the Applied Research Laboratory have been honored for 25 years of service to the University. They are Isabelle P. Sechrist, a research assistant, and Janet V. Rockey, a technical secretary.

Ms. Sechrist's responsibilities include data reduction research and some computer programming and plotting. A 1941 Penn State graduate with a B.A. in mathematics, she started out in the Department of Rural Sociology, but moved to the then-named Ordnance Research Laboratory as a research technician a month later.

Ms. Rockey serves as secretary to ARL Director John Johnson, a position she has held for the past five years. Prior to that, she worked as a travel clerk and as secretary to ARL's Business Manager and to the Acoustics and Signal Department. Her husband, Melvin, is assistant to the Director of Short Courses in the College of Agriculture and holds both bachelor's and master's degrees from Penn State.

Retirements

Jan. 1 marked the retirement of Henry E. Schmidt, associate director of undergraduate admissions. Mr. Schmidt began his University career in 1967 as director of admissions for secondary school relations. In 1970 he assumed the position of director of admissions for freshmen and three years later was promoted to his last post.

As associate director, Mr. Schmidt evaluated applications for admissions at all locations and was responsible for establishing admissions policies and procedures.

Before coming to Penn State, Mr. Schmidt served in the Navy for 27 years and from 1963-67 was a professor of naval science at Penn State.

Mr. Schmidt and his wife, June Lorraine, have four children. Two of their children are also associated with Penn State — Rob is a journalism major and Bill is working for the Division of Undergraduate Studies.



Isabelle Sechrist

Although he retired officially on Jan. 1, LeRoy P. Horner hopes to "keep his hand in" and do a little plastering — that is, he finishes all the odd jobs at home he put off while working.

Mr. Horner was a laboratory technician in petroleum refining during the forties, leaving the University in 1947 to go into business for himself as a plasterer and mason. He returned to Penn State in 1962 as a plasterer with Physical Plant, and in the intervening 17 years figures he has worked on most of the buildings at University Park.

Obituaries

Dr. Stuart W. Frost, professor emeritus of entomology, died Jan. 21. He was 89 years old.

Dr. Frost retired from the University in 1957 after 40 years of service. The author of three books and more than 200 papers, he was the founder of the Frost Entomological Museum, named in his honor, and after his retirement he continued working to build the museum's collection.

Dr. Frost held B.S. and Ph.D. degrees from Cornell University.

Harry K. Smith, a group leader, receiving at the Hershey Medical Center at his retirement on Feb. 4, 1978, died Jan. 12. He was 64. Mr. Smith joined Hershey's staff May 8, 1967, and worked initially as a custodian and storeroom clerk.

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University Park Calendar

Jan. 31-Feb. 10
Special Events

Thursday, Jan. 31

Campus Colleagues meeting, 4:30-6:30 p.m., Assembly Room, Nittany Lion Inn. Audrey Rodgers, English, leads a discussion on "The Women's Studies Option."

Cinemathèque, Teshigahara, *Woman in the Dunes*, 6:30 and 8:30 p.m., HUB Assembly Hall.

UnCommon Theatre, student preview, *Vanities*, 8 p.m., Room 112 Kern.

Friday, Feb. 1

Deadline for applying for Fellowships through Graduate School programs.

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Robert Frank, English, emeritus, on "The Pleasures of Sisyphus: Reflections on Literary Studies."

IFC Dance Marathon, 7 p.m.-7 p.m. Sunday, Feb. 3, White Bldg.

Sports: gymnastics (men) vs. Southern Connecticut, 8 p.m.

UnCommon Theatre, *Vanities*, 8 p.m., Room 112 Kern.

Artists Series, New York Chamber Soloists, Handel, *Airs and Galathea*, 8:30 p.m., Schwab.

Saturday, Feb. 2

Sports: fencing (men) vs. Cornell, 1 p.m.; swimming and diving (men) vs. Temple and Texas A&M, 2 p.m.; wrestling vs. Navy, 2 p.m.; volleyball (men) vs. Army, 7:30 p.m.; gymnastics (women) vs. Cal State/Fullerton, 8 p.m.

UnCommon Dinner Theatre, dinner, 6:30 p.m., Room 102 Kern; *Vanities*, 8 p.m., Room 112 Kern.

Penn State Symphonic Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sunday, Feb. 3

University Chapel Service, 11 a.m., Eisenhower Chapel. The Reverend Aaron Buzzeo, "O.S.B. Felix Sulpit Catholic Center, speaker."

UnCommon Dinner Theatre, dinner, 6:30 p.m., Room 102 Kern; *Vanities*, 8 p.m., Room 112 Kern.

Richard Laird, double bass recital, 8:30 p.m., Music Bldg. Recital Hall.

Monday, Feb. 4

Audio Visual Services, *Connections* film, "Eat, Drink and Be Merry," 12:15 p.m., Room 112 Kern.

Shakespeare film, *Oliver, Hamlet*, 6:30 p.m., Room 101 Chambers.

France-Cinema, *Barbarella*, 7 and 9 p.m., Room 112 Kern.

Archaeological Institute of America lecture, 8 p.m., HUB Assembly Hall. Eva C. Keuls, Univ. of Minnesota, on "The Hetera and the Housewife: The Splitting of the Female Psyche in Greek Art."

Interdisciplinary Symposium on Value, 8 p.m., Room 124 Sparks. Franklin Cook, business law, on "Corporate Morality and Justice."

Barry Hannigan, piano, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, Feb. 5

Red Cross Bloodmobile, 10 a.m.-4 p.m., HUB Ballroom.

Comp. Lit. Luncheon, 12:15; talk, 1 p.m., Hotel State College. Oliver Franklin, films curator, Afro-American Historical and Cultural Museum, Philadelphia, on "Tatars, Literature and the Rise of African Cinema."

University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

School of Music Common Hour, "Wittgenstein's Vienna," with the Alard String Quartet discussing and playing excerpts from the works of Schoenberg and Berg, 4 p.m., Music Bldg. Recital Hall.

Comp. Lit. Film Series, Rafael Gil, *Don Quixote*, 6:30 and 8:45 p.m., Room 112 Kern.

Black Studies Program film, Ousmane Sembene, *Yala*, with introduction by Oliver Franklin, 7:30 p.m., Robeson Cultural Center.

Wednesday, Feb. 6

Lat drop deadline.

Last day to sign Winter Term NDSL and University Long Term Loans, Room 108 Shields.

Red Cross Bloodmobile, 10 a.m.-4 p.m., HUB Ballroom.

African Studies Forum lecture, Oliver Franklin, filmmaker, on "The Future of African and Afro-American Cinema," and screening of



URTC's third production, "An Enemy of the People," opens Thursday, Feb. 7, in the Pavilion Theatre, and will continue through Feb. 23. Curtain time is 8 p.m.

One of Ibsen's most compelling plays, "An Enemy of the People" pits one man inspired by the truth against a town that wants to silence him. In the above scene, Dr. Thomas Stockman (left) defends his right to speak, while his brother, Mayor Peter Stockman, tries to quiet him with threats. Dr. Stockman's wife, Katherine, seeks to intercede. The Stockman brothers are played by Equity artists Douglas R. Nielsen and Frank Geraci. Mrs. Stockman is portrayed by Naïma Bloomquist, a second term MFA candidate.

Tickets for "An Enemy of the People" are on sale now and may be reserved at the URTC Box Office in the Playhouse, or by calling 865-1884.

Sembene's *Touss*, 7:30 p.m., Robeson Cultural Center.

Mortar Board, "Last Lecture Series," 8 p.m., HUB Assembly Hall.

Musica da Camera, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, Feb. 7

Brown Bag Performing Arts Hour, 12:30 p.m., HUB Assembly Hall.

Phi Alpha Theta/History, Dan P. Silverman, Arthur F. Goldschmidt, Jr., Cyril Griffith and Robert J. Maddox, history, on "Diplomacy in Recent History," 1:30 p.m., Eisenhower Chapel Memorial Lounge.

Cinemathèque, Rosen, *The Hustler*, 6:30 and 8:30 p.m., HUB Assembly Hall.

Sports: basketball (women) vs. East Stroudsburg, 7 p.m.

URTC, Henrik Ibsen, *An Enemy of the People*, 8 p.m., The Pavilion Theatre.

Friday, Feb. 8

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Roger Duvon, geography, on "Maps as Metaphors."

Commonplace Theatre, *Death in Venice*, 7 and 9 p.m., Room 112 Kern.

Sports: basketball (women), Coca Cola Lady Lion Classic, 7 p.m.

URTC, *An Enemy of the People*, 8 p.m., The Pavilion Theatre.

Contemporary Dance Company, 8:30 p.m., Eisenhower Auditorium.

Saturday, Feb. 9

Sports: fencing (women) vs. Caldwell, James Madison and California (Pa.), 9 a.m.; rifle (coed) vs. Navy and Youngstown State, 9 a.m.; basketball (women), Coca Cola Lady Lion Classic, 1 p.m.; swimming and diving vs. Rutgers, (women) 1 p.m., (men) 4 p.m.; wrestling vs. Cleveland State, 8 p.m.

Contemporary Dance Company, 2:30 p.m., Eisenhower Auditorium.

France Cinema, *Providence*, 7 and 9 p.m., Room 112 Kern.

URTC, *An Enemy of the People*, 8 p.m., The Pavilion Theatre.

Artists Series, Fionnula Flanagan in James Joyce's *Women*, 8:30 p.m., Schwab.

Student Foundation for the Performing Arts, "Evening with the Arts," Dan Kamin, mime, 8:30 p.m., HUB Ballroom. Free.

Sunday, Feb. 10

University Chapel Service, 11 a.m., Eisenhower Chapel. Dr. George Docherty, Edinburgh University, Scotland, speaker.

Tom Kennedy, flute, 3:30 p.m., Music Bldg. Recital Hall.

Commonplace Theatre, *Death in Venice*, 7 and 9 p.m., Room 112 Kern.

Seminars

Thursday, Jan. 31

Population Issues Research Center, P. Neal Ritchey, Univ. of Cincinnati, on "Unique Incentives and Constraints to Minority Migration," 3:30 p.m., Room 173 Willard (new listing).

Physics, Stuart Solin, Michigan State Univ., on "Exploring Dimensionality and Disorder with Graphite Intercalates," 3:50 p.m., Room 445 Davey.

Meteorology, Hampton Nels Shirer, meteorology, on "The Unfolding Story of Singularities in Truncated Spectral Models," 3:55 p.m., Room 112 Walker.

Friday, Feb. 1

Analytical Chemistry, Joseph Yakupovic, grad. student, on "Analysis of Vitamins in Foodstuffs by HPLC," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Mark Crisanti, on "Kinetics of the Folding of the Subunit of Tryptophan Synthase Base," 2:30 p.m., Room 333 Whitmore.

Horticulture, A.G. Stevenson, biology, on "Flowering and Fruiting Strategy of *Catalpa speciosa*," 3:55 p.m., Room 10 Tyson.

Monday, Feb. 4

Computer Center, "Introduction to the Interactive Editor," 7 p.m., Room 108 Forum.

Tuesday, Feb. 5

Organic/Inorganic Chemistry, T. Bailey, grad. student, on "Synthetic Aspects of Vinyl Silanes," 12:45 p.m., Room 333 Whitmore.

Water Pollution Control, Charles Fraust, Western Electric Co., Allentown, on "Chemical Waste Treatment in the Electronic Industry," 2:20 p.m., Room 165 Willard.

Geosciences, John Fenn, Univ. of Kentucky, on "The Shape of Coal Beds," 3:45 p.m., Room 26 Mineral Sciences.

Horticulture, Michael Ditt, Univ. of Georgia, on "Plant Odyssey," 7 p.m., Room 108 Tyson.

Wednesday, Feb. 6

Horticulture, Harry Houtnik, Ohio Agricultural Research and Development Center, on "Mechanisms of Suppression of Phytophthora Root Rot in Media Amended with Tree Bark," 4 p.m., Room 213 Buckhout.

Computer Center, "Introduction to the Interactive Editor," 7:30 p.m., Room 108 Forum (repeat of Feb. 4 seminar).

Thursday, Feb. 7

Chemistry, Hans Boch, Univ. of Frankfurt, on "Novel Radical Ions," 12:45 p.m., Room 333 Whitmore.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Economics/Institute for Policy Research, Richard Musgrave, Harvard Univ., on "The Leviathan Syndrome," 2 p.m., Room 101 Kern.

Anthropology, William T. Sanders, on "A Tale of Three Cities: Urban Ecology in Pre-Hispanic Mexico," 3:30 p.m., Room 107 Carpenter.

Philosophy, Alfonso Gomez-Lobo, Georgetown Univ., on "Ontology and Teleology in Aristotle," 8 p.m., Room 151 Willard.

Friday, Feb. 8

Analytical Chemistry, Robert Bleiler, grad. student, on "NMR Studies of the Paramagnetic Susceptibilities of Co, Cu and Ni Complexes," 11:10 a.m., Room 333 Whitmore.

Horticulture, Donald Kenney, Abbot Labs., on "New Microbial Products for Agriculture and Forestry," 1 p.m., Room 301 Ag. Admin. Bldg.

Physical Chemistry, Dennis Diestler, Purdue Univ., on "Optical Spectroscopic Studies of Molecular Processes," 2:30 p.m., Room 333 Whitmore.

Exhibits

Chambers Gallery: Robert Andriulli, paintings; Ron Gallas, glass exhibit.

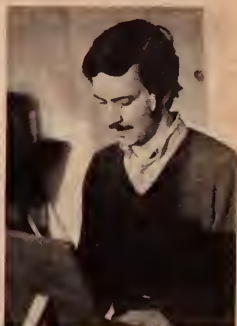
HUB Galleries: Hicks Echtpint National Invitational, traveling print exhibit, through Feb. 1, The Gallery. PSU Camera Club exhibit; Jinx Webster, recent ceramic works, opens Feb. 2, both in Art Alley.

Kern Commons: Group photography exhibit, opens Feb. 2.

Museum of Art: Wirth McCoy, recent paintings; sculpture from the permanent collection; Pennsylvania prints from the collection of John C. O'Connor and Ralph M. Yeager.

Robeson Cultural Center: Malkia Roberts, paintings, "Colorpoems/Connections."

Visual Arts Zoller Gallery: Wirth McCoy Retrospective.



Bucknell pianist to play four contemporary works

Four 20th century compositions are included on the program for a recital by pianist Barry Hannigan at 8:30 p.m. Monday, Feb. 4, in the Music Building Recital Hall. Mr. Hannigan is an assistant professor of music at Bucknell University.

Karlheinz Stockhausen's "Klavierstück VIII," composed in 1955, will open Mr. Hannigan's program. "The Willows Are New," written in 1957 by composer Chou Wen-Chung and "Twelve Bagatelles" by George Rochberg are also on the program. Mr. Hannigan will close the first part of his recital with an early 20th century piece by Alexander Scriabin, the Sonata No. 4, opus 30.

Following the intermission, Mr. Hannigan will perform the sole 19th century selection on the program - Schumann's Fantasy in C major, opus 17.

Mr. Hannigan, a Phi Beta Kappa graduate of Colorado College, received his master's degree from the University of Colorado and is currently working on his doctorate at the Eastman School of Music.

News in brief

(Continued from page 1)

History honorary sponsors colloquium on diplomacy

Phi Alpha Theta, the international honorary society in history, will sponsor a colloquium, "Diplomacy in Recent History," from 1:30 to 4 p.m. on Thursday, Feb. 7, in the Memorial Lounge of Eisenhower Chapel.

Four members of the Department of History will present brief addresses, including Dan P. Silversmith, Arthur F. Goldschmidt Jr., Cyril Griffith, and Robert J. Maddox.

Question periods will follow the addresses, and all members of the University community are invited to attend.

Flutist to perform with orchestra

Flutist Tom A. Kennedy, Jr., winner of the 1979-80 Young Artists' Competition, will be the featured performer for the Penn State Symphony Orchestra's concert at 8:30 p.m. Saturday, Feb. 2, in Eisenhower Auditorium.

Mr. Kennedy will appear as soloist in "Poem for Flute and Orchestra" by Charles T. Griffes, an early 20th century American composer. Other numbers on the orchestra's program include Carl Maria von Weber's "Overture to Euryanthe" and the Symphony No. 4 in D Minor, opus 120 by Robert Schumann.

The orchestra will conclude the concert with Igor Stravinsky's "Firebird Suite."

Mr. Kennedy, a graduate student in music at the University, is the assistant conductor and president of the Penn State Symphony Orchestra. He received his undergraduate degree in music education from the University of Indiana at Bloomington.

The Penn State Symphony Orchestra, composed of University undergraduate and graduate students, is conducted by D. Douglas Miller.

Chamber orchestra plays Feb. 5

Chamber orchestra music from three centuries will be performed by Musica da Camera when the group appears at 8:30 p.m. Wednesday, Feb. 5, in the Music Building Recital Hall.

The program includes Handel's "Fireworks Music"; Joseph Haydn's Symphony, "Franz Joseph Haydn's Symphony No. 92; Bach's Brandenburg Concerto No. 6; "Quiet City," written by American composer Aaron Copland; and Igor Stravinsky's Suite No. 2 for Small Orchestra.

For this program, Musica da Camera will be assisted by 25 additional musicians performing on various wind, percussion, keyboard and string instruments.

D. Douglas Miller, associate professor of music, directs the group.

Robeson shows Howard artist

"Colorpoems/Connexions," a collection of paintings by Washington, DC, artist Malkia Roberts, is on display at the Paul Robeson Cultural Center through Feb. 23.

Ms. Roberts, a professor of painting and design at Howard University, has traveled to Africa, Europe, Mexico and the Far East, and her art has been exhibited on three continents.

Her paintings at the Cultural Center have been influenced by what she calls the "Black 70s."

"The Black 70s extended the boundaries of Pan-African awareness in the East and West, on every level and in every area of expression," Ms. Roberts says.

"I call these works 'Colorpoems/Connexions' because they translate this awareness, this 'beat,' this energy into visual connections and communications," she continues. "Vibrant colors and vigorous rhythms are the channels through which the images and energies flow, and we connect."



Hetaerae and Customers, Attic red figured Kylix by Makron, 480 B.C.

Professor to discuss splitting of female psyche in Greek art

Eva Keuls, professor of classics at the University of Minnesota, will present an illustrated lecture, "The Hetaera and the Housewife: The Splitting of the Female Psyche in Greek Art," at 8 p.m. on Monday, Feb. 4, in the HUB Assembly Room.

Her talk is sponsored by the Central Pennsylvania Society of the Archaeological Institute of America.

Dr. Keuls, who is preparing a book on her lecture topic, explains that in the Greeks' consciousness of the female, the role of women as sex partners was represented by two manifestations of Aphrodite. Aphrodite Ourania stood for chaste and conjugal love; venal love was symbolized by Aphrodite Pandemos,

whose temple in Athens was financed from the proceeds of the public brothels set up by Solon.

Of the two male-defined facets of the female, the Greeks preferred the hetaera, according to Dr. Keuls. "Whoever established a cult of the Housewife?" Athenians asked rhetorically.

Professor Keuls holds an M.A. from Hunter College and a Ph.D. from Columbia University. She has taught at Emory and Howard universities. The author of numerous papers, she has written three books, *Greece, The Water Carriers in Hades: A Study of Catharsis through Toil in Classical Antiquity*, and *Plato and Greek Painting*.

Oliver Franklin to lecture on African, Afro-American cinema

Oliver Franklin, films curator at the Afro-American Historical and Cultural Museum of Philadelphia, will visit the University Feb. 5-7 for a series of lectures on African and Afro-American cinema sponsored by the Black Studies Program.

Tuesday, Feb. 5, he will speak on "Tarzan, Literature, and the Rise of African Cinema" at the Comparative Literature Luncheon in the Hotel State College at 1 p.m. That evening, he will introduce the film *Xala* at 7:30 p.m. in the Paul Robeson Cultural Center. *Xala* was written and directed by the Senegalese film maker and novelist Ousmane Sembene.

Wednesday, Feb. 6, Mr. Franklin will talk on "The Future of African and Afro-

American Cinema" at the African Studies Forum in the Paul Robeson Cultural Center at 7:30 p.m. He also will show another Sembene film, *Toussaint*, a short film portraying unemployment in Dakar, the capital of Senegal.

During his stay at the University, Mr. Franklin will lecture on filmmaking and censorship in Africa, African film and literature, and film and social change for courses on African politics, African literature, and race relations.

A graduate of Lincoln University, Mr. Franklin did advanced work in African studies and economics at Edinburgh and Oxford universities from 1966 to 1969.

University job openings attract many bidders

More than 8,600 employees bid for announced University job vacancies last year, Robert L. Kidder, manager of the Employment Division, reports.

"Typically, we have seen as many as 40 to 50 bidders for the more popular or higher level jobs," Mr. Kidder says, "and that's a great deal of activity."

Bidding has risen because turnover among University employees has been quite low recently, according to Mr. Kidder. Employees have been staying at the University and seeking opportunity for career advancement within the Penn State system.

"Unfortunately, with so much bidding activity, larger numbers of employees are bound to be disappointed," Mr. Kidder comments. "If 50 persons bid on a job, only one can be selected, and the 49 others, who may be good candidates, are disappointed."

"We feel, however, that our promotion programs are working very effectively for large numbers of University employees. The fact that someone is not selected when there is so much competition should not be viewed as any discredit to that individual's abilities."

Mr. Kidder urges employees to make certain that they maintain up-to-date background data on file in the University Employment Division Office. The Employment Division uses this

information to determine eligibility for consideration for promotion, so employees should see that they are represented in the best possible light.

"We believe many fine promotion opportunities still exist at Penn State," Mr. Kidder says, "and we hope employees will not become discouraged because of the competition."

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 666-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Feb. 7, 1980. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (FES-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

COMPUTER OPERATOR - COLLEGE OF MEDICINE, HENSHY Responsible to the Manager of Electronic Data Processing, College of Medicine, for monitoring and controlling electronic computers on established routines and for assisting department staff members as required. Two years of college or equivalent, with one to two years of experience in data processing.

Senate

(Continued from page 1)

Senate Committee on Curricular Affairs gives academic approval for an associate degree program, that approval will include the offering of the program in either a regular or extended mode.

Two legislative proposals will be brought forth by the Committee on Undergraduate Instruction.

The first deals with the question of what term students must enter a major. At present, some colleges require that students be admitted prior to the fourth term; others do not require admission until the seventh. Policy 37-30.2 has been interpreted in some cases to mean that a college may not disenroll a student prior to the seventh term. The Committee's revision would allow a college to disenroll a student earlier if the enrollment requirements of the college specifically say so. The text of the proposal reads:

"2. THE DEAN OF THE COLLEGE, IN ACCORDANCE WITH THE POLICIES AND PROCEDURES OF THE COLLEGE OR MAJOR, MAY REQUIRE THAT A STUDENT ENROLLED IN THE COLLEGE GAIN ENTRANCE TO A MAJOR AT THE BEGINNING OF EITHER THE STUDENT'S FOURTH, FIFTH OR SIXTH TERM AND NO LATER THAN PRIOR TO THE BEGINNING OF THE SEVENTH-TERM CLASSIFICATION. A STUDENT WHO FAILS TO GAIN ENTRANCE TO A MAJOR PRIOR TO THE TERM CLASSIFICATION SPECIFIED BY THE COLLEGE MAY BE DISENROLLED FROM THE COLLEGE AT THE DISCRETION OF THE DEAN (SEE SECTION 14-56, Item 1)."

The Committee's second proposal deals with the cumulative grade-point average required for graduation. The Senate had earlier approved changes in Policy 82-40 permitting specific academic units to insist on higher graduation standards than those approved by the Senate. This legislation was passed at the request of the College of the Liberal Arts, which will not accept grades below C toward fulfillment of the major requirements. The new legislation would allow any college to follow suit.

The legislation states: "COLLEGES MAY DESIGNATE A MORE RESTRICTIVE REQUIREMENT FOR GRADUATION BY SPECIFYING THAT NO COURSE OR COURSES, IN THE 'PRESCRIBED COURSES' AND 'ADDITIONAL COURSES' CATEGORIES OF A MAJOR, IN WHICH A STUDENT RECEIVES A GRADE BELOW 'C' MAY BE COUNTED TOWARDS THE FULFILLMENT OF THE MAJOR COURSE REQUIREMENTS. THIS REQUIREMENT MUST BE APPROVED BY THE FACULTY OF A COLLEGE AND WILL BE BINDING ON ALL UNDERGRADUATE MAJORS IN THAT COLLEGE. STUDENTS SHOULD CONSULT THE BACCALAUREATE DEGREE PROGRAMS CATALOG FOR THOSE COLLEGES WHICH HAVE THIS REQUIREMENT."

Informational reports from Curricular Affairs, as well as Planning and Development (a status report on construction projects) will be presented.

Senators will be informed that a newly completed census has found 21 fewer faculty members at Penn State eligible for the Senate electorate this year than last, but that representation in Senate voting units will not be affected.

Blindness

(Continued from page 1)

Life for her is full, she says, both at work and at home with her parents and two brothers.

"Being blind does not bother me a bit," she affirms. "It's a fact of life, it's never going to change, so why sit around and feel sorry for yourself?"

— Roger Williams

Penn State Intercom

A 'cheerful facilitator' for Faculty Senate

He provides continuity and stability to the Senate, in the form of historical perspective as well as staff support that's invaluable to officers and committee chairmen. — Dr. George J. McMurtry, Senate chairman.

He is a friend to me and to all Senate chairmen, and he was very helpful to me in my year as Senate chairman. — Dr. Lee W. Saperstein, immediate past-chairman Senate.

His major strength is to make the Senate operation more efficient and to allow Senate officers and committees to spend their time in policy areas rather than in implementation and administration. — Dr. Thomas E. Daubert, 1977-78 Senate chairman.

He's a cheerful facilitator, a nd an excellent listener, always accommodating and willing to help. — Sally S. Small, 1975-76 Senate chairman.

He is Dr. Oscar C. Barkman, executive secretary of the University Faculty Senate, the organization that since 1921 has held legislative authority in matters of academic interest to Penn State. As Chairman McMurtry notes, Dr. Barkman often goes the extra mile in a position whose responsibilities, as described by the 1979-80 edition of the Senate's *Constitution, Bylaws and Standing Rules*, are simply "to aid the Senate in the performance of its duties."

The ambiguity is intentional, Dr. Barkman suggests. "My job is made up of a number of jobs, but it's basically to coordinate and make information and materials available to Senate officers, the 14 standing committees and the 30 or more subcommittees so they can do their work more effectively."

This process involves a considerable measure of expertise. The Senate schedule must be coordinated with the total University calendar. Proposed legislation has to be coordinated with the various units of the University while it is under deliberation and then implemented after passage.

Supervising, writing, editing and assisting with Senate reports, the Senate *Agenda and Record*, the *Constitution* booklet and the academic policies for the student handbook are other responsibilities. Another crucial role is that of attending Senate meetings, Senate Council and other committee meetings as a resource person and facilitator.

"Though I'm mainly responsible to faculty members, I sometimes get the feeling that everybody's my boss," Dr. Barkman says. "Students, administrators, and staff members also have the right to ask questions about the Senate's work and get an answer. In a sense, the job is often like running an information service."

In any given month, Dr. Barkman invariably talks to faculty members and administrators in all of the Colleges, in most of the 130-plus academic departments, and at all Commonwealth Campuses. "You learn all the intricacies of how the University functions," he says. "Your



Dr. Barkman's phone in Birch Cottage rarely stops ringing.

specialty is being a generalist." And what he learns is not without cumulative effect. "He's widely recognized as an authoritative source regarding University policies and procedures, particularly those dealing with students and academic matters," Chairman McMurtry comments. "If he doesn't know the answer, he'll make every effort to find it."

Dr. Barkman and his staff perform another valued service for faculty and administrators — as a clearinghouse for information about the 7,000 academic courses offered at Penn State. "Often a department will call to say it is thinking about instituting a new option or a new major and will ask what related courses might be in existence in other departments or campuses," he explains. "Many of these inquiries result in meetings to explain procedures."

Increasingly, Dr. Barkman devotes his efforts to the ever-growing number of petitions submitted by students seeking Senate committee exception to the more than 130 rules and regulations in *Academic Policies and Procedures*.

When he started as executive secretary in May 1972, there were no petitions whatsoever, aside from those requesting academic reinstatement. This year, however, he expects to handle, for Senate Committee action, some 500 student petitions, not counting reinstatements, for such items as retroactive withdrawals from school, drop/adds, extensions for deferred grades or for the limitation of time allowed to pursue a degree.

"This increase may be due to the legalistic flavor of society now," he says. "Students seem to be very well informed about the University, their purpose here, and why they've come to me. They've really done their homework, and they have the problem pretty well tagged." Says Chairman McMurtry: "Dr. Barkman often acts as a 'super-adviser' and counselor to students, and is very

careful and fair in revising and processing their petitions. He's extremely understanding and patient with students who have problems and often goes beyond the call of duty to explain not only the procedures and actions taken but also the reasons and justifications for them."

His empathy for students is genuine, a result of his background in public education. Before his years as a graduate student at Penn State (his Ph.D. in educational administration was conferred in 1971), he was supervising principal at the Juniata Valley School District, near Petersburg, Huntingdon County, where he currently resides. As a graduate student, he worked first with the School Research Unit in the College of Education, subsequently as an adviser and assistant for teacher certification within the same College, and finally as an assistant to the Dean of the Graduate School. He also served as a Graduate Student Association representative to the Senate.

Upon receiving his doctorate, he declined offers for administrative positions at two Pennsylvania school districts to stay at Penn State, and shortly afterwards was appointed the Senate's executive secretary.

Dr. Barkman views the Senate as a force for responsible change in the academic life of the University, and a body that often reflects the concerns of society at large. He says:

"People at Penn State should feel good about the Senate. Here is a body of scholars — many of them internationally eminent in their fields — willing to volunteer their time and talents for the good of the University. A term in the Senate requires a good deal of effort, without compensation in terms of pay or release time."

Dr. Barkman's regard for the Senate is returned in kind. As Dr. Arthur O. Lewis Jr., 1969-70 Senate chairman, says: "He's one of the major reasons the Senate works as well as it does."

News in Brief

Happy Birthday from the HUB

The HUB Terrace Room will celebrate the University's 125th anniversary with a series of menu specials, dinners and entertainment Monday, Feb. 11, through Friday, Feb. 15.

A salad plate, sandwich platter and sandwich-soup special — usually sold at up to \$2.05 each — will be priced at \$1.25 during the anniversary week.

Penn State was chartered as the Farmers High School on Feb. 22, 1855.

According to Louis A. Berrena, HUB food services manager, the Terrace Room will commemorate the 125th in advance of the Feb. 22 anniversary day to allow students to take advantage of the specials before the Spring Term break.

The week also coincides with Valentine Day, which will be marked by candlelight dinners Wednesday and Thursday, Feb. 13-14.

In addition, the Terrace Room will feature musical entertainment nightly throughout the week.

Calendar data due

Persons with information for the Spring Term Calendar should have it in the hands of calendar editor Lee Morrill by Friday, Feb. 15. Send materials to Room 312 Old Main or phone 865-2501. The calendar will appear in the March 6 INTERCOM.

Winter enrollment up

Winter Term enrollment at the University totals 50,504 resident instruction students, an increase of 1,249 over last year.

A total of 30,425 students, 210 more than last Winter Term, are enrolled at University Park. Enrollment at the Commonwealth Campuses is 15,378 — up 816. The Behrend College, The Milton S. Hershey Medical Center and the Radnor Graduate Center also showed increases.

"The one-year enrollment increase for Winter Term is even higher than the excellent Fall Term increase Penn State experienced," said Dr. Robert E. Dunham, vice president for undergraduate studies. "This indicates that retention of students is better."

"We are encouraged that students continue to be attracted to quality programs."

Winter Term enrollment totals show 2,208 students at the Capital Campus, 1,658 at Behrend College, 566 at The Milton S. Hershey Medical Center, and 269 at the Radnor Graduate Center.

Human Development student receives national recognition

Dr. Catherine Surra Stump, who received her Ph.D. in human development and family studies at Penn State last year, has won the 1979 Student Award of the National Council on Family Relations, recognizing her as the most outstanding of the NCFR's 1,500 student members.

Dr. Stump, profiled in the January edition of the scholarly journal, *Family Relations*, is now an assistant professor in the Department of Family and Human Development at Utah State University.

She received her B.S. from Penn State in 1972 and her M.S. from the University of Maryland in 1974.

Penn Staters

Dr. Theodore L. Gross, provost and dean of Capitol Campus, is one of a group of national leaders from the fields of education, business and government, who have been invited to participate in the 1980-81 Presidential Lectures, sponsored by the University of South Dakota. The focus of the lectures, to be presented next October, will be "America in the 1980s."

Dr. Kenneth R. Beittel, professor of art education, is one of 12 art educators in Pennsylvania nominated for the Pennsylvania Outstanding Art Educator Award. He was cited for service to art education, outstanding contributions to the art teaching profession and quality teaching in art curricula. The award is sponsored by the Pennsylvania Art Education Association and the National Art Education Association.

A collection of black and white lithographs by Bill Hanson, associate professor of art, has been published by Impressions Workshop in Boston. The seven prints — "Flying Seaside," "Avian Landscape," "Rising Self-Stones," "Buried Self-Stone," "Exploding Sea-Pods," "Organic Image" and "Bouquet" — are from Mr. Hanson's "Organic Imagery" series and have been published in limited editions of 25 each.

David Young, professor and head of the Department of Landscape Architecture, served on the program assessment committee for the landscape architecture program at Ryerson Polytechnic Institute in Toronto. He was one of eight landscape architects chosen to assist the school in expanding its three-year baccalaureate program in landscape architecture to a four-year degree program.

Dr. Francis M. Dwyer recently received the Eero Davidson Memorial Award from the Pennsylvania Learning Resources Association for significant research contributions to the educational media profession. Dr. Dwyer, a senior research associate and affiliate professor of education, serves as head of the Office of Instructional Improvement. He is the author of more than 100 research articles.

Appointments

University Park

Irvin H. Kochel, director of Behrend College, has been appointed assistant vice president for administration, effective Sept. 1. President Oswald announced.

In his new position, Mr. Kochel will have University-wide responsibilities as principal staff officer to Dr. Richard E. Grubb, senior vice president for administration. He will be responsible primarily for assisting the divisions under Dr. Grubb's jurisdiction in maintaining external University relations, in planning and conducting programs and for liaison relationships with other University offices. Mr. Kochel has been director of Penn State's Behrend College since June 1984.

In announcing the appointment, Dr. Oswald recognized Mr. Kochel "for providing Behrend College with more than 25 years of administrative leadership which brought Behrend from a narrowly focused two-year campus to its present stature as a quality college of the University" and for his active involvement in the civic activities of the Erie community.

Mr. Kochel, who earned his bachelor's and master's degrees at Penn State, taught and coached in the Pennsylvania public schools for several years before assuming administrative positions at the Schuylkill and Capitol Campuses.

Since, as announced earlier, Dr. Thomas Fox, dean of faculty at Behrend, has requested reassignment to University Park as professor of economics, effective Sept. 1, President Oswald has announced the creation of the position of Dean of the Behrend College.

The Dean will have both administrative and academic responsibility for the College and will report directly to the Provost.

The search for an individual to fill the position of Dean of the Behrend College will be initiated in the near future.

Dr. W. Wayne Hinish, professor of agronomy extension, has been named assistant dean and assistant director for administration, management and training in the Cooperative Extension service, effective March 1. He succeeds Dr. Craig S. Oliver, who resigned to become director of the University of Arizona's Cooperative Extension Service.

In his new post, Dr. Hinish will be responsible for administration in the areas of personnel, management information systems, affirmative action and other equal opportunity procedures, staff development and training, and short course and correspondence course programs of the College.

Dr. Hinish, who earned three degrees at Penn State, has developed many of the Ag Service Schools which are held annually in Pennsylvania and also helped arrange and direct the agronomic activities of Pennsylvania's Unit Demonstration Farm Program, a cooperative project with the Tennessee Valley Authority. He has been in charge of the Penn State soil testing program since 1956 and has served as a consultant to a number of State and country government agencies. He is the author or co-author of more than 60 publications.

Chunil Hah as research associate of aerospace engineering, B.S., Seoul National University; M.S., U. of Tokyo; Ph.D. candidate, Penn State. John R. Sacha as research assistant, Applied Research Lab. B.A., Princeton U. Formerly systems rep., RCA.

Hershey

Barton L. Hodges as professor of surgery and head, Division of Ophthalmology. B.A., U. of Penn.; M.D., Jefferson Medical College. Formerly associate professor, Northwestern U. Medical School. David McMorris as assistant professor of family and community medicine and medical director, Evelyn G. Frederick Health Center. A.B., Gettysburg College; M.D., Jefferson Medical College. Formerly primary care internist, Sun City, AZ.

Bookshelf

Pamela A. Miller, assistant professor of English, examined the 3,500 journals now held in public collections of 19th century whalemens to find selections for her new book, *And the Whale Is Ours: Creative Writing of American Whalemens*. It is the first of a series of volumes to be published by David R. Godine of Boston in association with the Kendall Whaling Museum in Sharon, Mass.

Of the 13, 927 known American whaling voyagers, Dr. Miller says about one-third are documented in journals held in museums or in private ownership. Most were written by young officers or officers-to-be, since lesser crew members had neither the time nor the privacy to write.

Most selections in the book appear in print for the first time. Dr. Miller purposely chose poems and prose that had not been written for publication but to relieve the author's loneliness or, in some cases, for his family. The result is a book of interest to the casual reader as well as to scholars, with such fresh and lively writing as Samuel Biales' brief elegy to his pet pig, who died on board ship:

*My darling Piggy's back was broke;
For fear that she mite suffer;
I kindly cut her little throat
And had her fried for supper.*

The book concentrates on the 1840s and '50s, during the golden age of whaling in North America. The industry declined during the Civil War, and eventually died in 1925, when the schooner John R. Manta tied up at New Bedford for the last time.



Ms. Homan

Ms. Keene

Retirements

Amber R. Keene retired from her position as research technician in the College of Agriculture on Jan. 1.

Ms. Keene joined the Dairy Breeding Research Center staff in 1952. As research technician, she analyzed feed and blood from bulls on nutritional experiments, evaluated semen, and assisted in projects aimed at improving methods for using frozen semen.

Ms. Keene supervised three staff members and helped train students in methods of semen analyses. She also served as contact person for building maintenance and helped with tours and open houses.

A licensed toy and doll maker, she looks forward to pursuing her hobby of designing and manufacturing soft dolls and toys during her retirement. She's also involved in a long-term project of tracing her family tree back eight generations to the early settlers in George's Valley.

Helen I. Homan recently retired from her position as laboratory technician in the College of Agriculture. Ms. Homan began her University employment in 1956 and worked for the Dairy Breeding Research Department during her 23 years at Penn State.

As a laboratory technician, she helped with research relating to artificial insemination. Her husband, Lee, retired from his position in Penn State's Horticulture Department two years ago. Mr. and Mrs. Homan have two children and seven grandchildren. They presently reside in Boalsburg.

Catherine E. Drapcho, a residence hall worker in Housing and Food Services, retired Jan. 5. She started working at Penn State July 1, 1965.

Talks on William James to be given Feb. 12-14

A series of lectures on the life and teachings of William James will be presented Feb. 12 through 14 by Eugene Taylor, a writer and lecturer who specializes in the life of the American psychologist and philosopher.

Mr. Taylor's visit is sponsored by the Department of Philosophy, the Penn State Episcopalian Ministry, the Office of Religious Affairs, the Paul Robeson Cultural Center and the Institute for the Arts and Humanistic Studies.

"William James in the Stream of Consciousness" will be the subject of Mr. Taylor's lecture at the Comparative Literature Luncheon at noon on Tuesday, Feb. 12, at the Hotel State College.

He will speak on "Transcending the Veil: William James and W.E.B. Dubois" at the Paul Robeson Cultural Center, Walnut Building, on Tuesday evening at 8 p.m.

"William James' Religious Perspective: The Passionate Vision" will be the topic at The Ecumenical Faculty Brown Bag Luncheon Thursday at noon in the Informal Lounge of the Eisenhower Chapel.

Mr. Taylor is the author of several articles on William James and was a guest lecturer at the William James Symposium of the 86th Annual Convention of the American Psychological Association.

Obituaries

Edward M. Roderick, an assistant professor of engineering at Berks from 1961 to 1969, died Jan. 5 at the age of 77.

Edwin C. Rank, a maintenance foreman at Hershey when he retired in 1976, died Jan. 23. He was 66. He came to the Medical Center in 1968 as a patrol officer and also held the positions of maintenance mechanic and scheduler.

John S. Tutok, a residence hall worker with Housing and Food Services when he retired in 1968, died Jan. 28. He was 70 years old. Mr. Tutok joined the staff in 1965 as a janitor at the Nittany Lion Inn.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by filling the Employment Division, 565-1387 (network line 65-1387). Applications for these staff vacancies will be accepted until 5 p.m., Feb. 14, 1990. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

RESEARCH AIDE-COLLEGE OF AGRICULTURE, University Park. Receive specimens and perform analyses on various body fluids and tissues using standard clinical pathology methods. Perform routine hematological analysis using automated cell counting equipment and visual differential white blood cell counts.

Perform routine clinical chemistry analysis for inorganic and organic constituents of body fluids and tissues using colorimetric spectrophotometers, atomic absorption spectrophotometer and other appropriate techniques. Perform diagnostic tests and make reports to the staff member involved. Prepare and maintain inventory of supplies and reagents necessary for the operation of the laboratory functions. Certification by the American Society of Clinical Pathologists as a medical technologist and up to one year of effective laboratory experience required. Bachelor of science degree in bacteriology, medical technology or biological science desirable. Experience or interest in and potential to learn techniques of auto analysis and clinical medicine necessary.

PROJECT ASSISTANT-COLLEGE OF ENGINEERING, University Park. Assist in establishing and operating an environmental monitoring program. Responsible for conducting neutron activation analysis on a variety of samples and prepare reports after data analyses and interpretation results. This position is funded for a one year period with a possibility for renewal. Bachelor's degree or equivalent in physical science with a strong emphasis in chemistry required and a minimum of one year of extensive related experience.

COMPUTER OPERATOR-MANAGEMENT SERVICES, University Park. Set up and operate computers. Prepare peripheral equipment with forms, cards, tapes, disks. Load cards, set up printer, mount tape reels, etc. Expected to proceed alone following standard practice and any of several procedures. High school graduate with computer operator training equivalent to two years of college, plus one to two years of effective experience with data processing equipment. Must be willing to work either day or night shift.

ASSISTANT DIRECTOR OF GRADUATE ADMISSIONS-GRADUATE SCHOOL, University Park. Responsible to the Director of the Graduate School and the Director of Graduate Admissions for assistance in the development and administration of the Graduate School admissions system. A bachelor's degree or equivalent, plus over one year up to and including two years of administrative experience in a graduate school and/or admissions setting. A knowledge of information science would be desirable.

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University Park Calendar

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Feb. 7-17 Special Events

Thursday, Feb. 7
Cinematheque, *Rosien, The Hustler*, 6:30 and 8:30 p.m., HUB Assembly Hall.
Sports: basketball (women), vs. East Stroudsburg, 7 p.m.
URTC, Henrik Ibsen, *An Enemy of the People*, 8 p.m., The Pavilion Theatre.

Friday, Feb. 8
Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Roger Downs, geography, on "Maps as Metaphors."
Commonsplace Theatre, *Death in Venice*, 7 and 9 p.m., Room 112 Kern.
Sports: basketball (women), Coca Cola Lady Lion Classic, 7 p.m.
URTC, *An Enemy of the People*, 8 p.m., The Pavilion Theatre.
Contemporary Dance Company, 8:30 p.m., Eisenhower Auditorium.

Saturday, Feb. 9
Sports: fencing (women) vs. Caldwell, James Madison and California (Pa.), 9 a.m.; rifle (coed) vs. Navy and Youngstown State, 9 a.m.; basketball (women), Coca Cola Lady Lion Classic, 1 p.m.; swimming and diving vs. Rutgers, (women) 1 p.m., (men) 4 p.m.; wrestling vs. Cleveland State, 8 p.m.
Contemporary Dance Company, 2:30 p.m., Eisenhower Auditorium.
France-Cinema, *Providence*, 7 and 9 p.m., Room 112 Kern.
URTC, *An Enemy of the People*, 8 p.m., The Pavilion Theatre.
Artist Series, Siobhan McKenna in "Here Are Ladies," 8:30 p.m., Schwab.

Sunday, Feb. 10
Student Foundation for the Performing Arts, "Evening with the Arts," Dan Kamin, mime, 8:30 p.m., HUB Ballroom. Free.

Sunday, Feb. 10
University Chapel Service, 11 a.m., Eisenhower Chapel. Dr. George Docherty, Edinburgh Univ., Scotland, speaker.
Shaver's Creek Nature Center, "Nature In and Out," 2-4 p.m., Stone Valley.
Tom Kennedy, flute, 3:30 p.m., Music Bldg. Recital Hall.

Monday, Feb. 11
Commonsplace Theatre, *Death in Venice*, 7 and 9 p.m., Room 112 Kern.
UCC, The Marshall Trucker Band, 8 p.m., Rec. Hall.

Monday, Feb. 11
Audio Visual Services, *Connections* film, "Countdown," 12:15 p.m., Room 112 Kern.
France-Cinema, *Providence*, 7 and 9 p.m., Room 112 Kern.
Steven Smith, piano, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, Feb. 12
STS/Two Cultures Dialogue on "Science-Technology for War and Peace," lunch, noon, presentation, 12:20 p.m., Room 101 Kern. Rustum Roy, director, MRL, on "No Class of 2000: A Scientific Look at the Coming Nuclear Holocaust."
Comp. Lit. Luncheon, 12:15; talk, 1 p.m., Hotel State College. Eugene Taylor, writer and lecturer, on "William James in the Stream of Consciousness."
School of Music Common Hour, student performances, 4 p.m., Music Bldg. Recital Hall.

Wednesday, Feb. 13
Shakespeare film, Richardson/Williamson, *Hamlet*, 6:30 p.m., Room 101 Chambers.
Artist Series film, Kenji Mizoguchi, *A Geisha*, 8 p.m., Schwab.

Thursday, Feb. 14
IAHS/Robeson Cultural Center public lecture, 8 p.m., Walnut Bldg. Eugene Taylor, specialist on the life of William James, on "Transcending the Veil: William James and W.E.B. Dubois."
URTC, *An Enemy of the People*, 8 p.m., The Pavilion Theatre.

Friday, Feb. 15
Valentine Candlelight Dinner, 4:45-6:45 p.m., HUB Terrace Room.
Sports: basketball vs. Pittsburgh, (women) 5:45 p.m., (men) 8:10 p.m.; swimming and diving (men) vs. Bucknell, 7:30 p.m.
Philosophy/Religious Affairs public lecture, 8 p.m., Eisenhower Chapel Memorial Lounge. Eugene Taylor on "William James on Personal Destiny and the Science of Religions."
URTC, *An Enemy of the People*, 8 p.m., The Pavilion Theatre.
Composers' Concert, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, Feb. 14
Ecumenical Faculty Brown Bag Luncheon, noon.
Eisenhower Chapel Lounge. Eugene Taylor on "William James' Religious Perspective: The Passionate Vision."
Brown Bag Performing Arts Hour, 12:30 p.m., HUB Charlotte Ray Lounge. PSU Glee Club.
Valentine Candlelight Dinner, 4:45-6:45 p.m., HUB Terrace Room.
Basketball, Hitchcock, *The 39 Steps*, 6:30 and 8:30 p.m., HUB Assembly Hall.
Colloquy lecture, 8 p.m., Eisenhower Auditorium. Dr. Wilson Bryan Key, on "Subliminal Seduction."
URTC, *An Enemy of the People*, 8 p.m., The Pavilion Theatre.

Friday, Feb. 15
Last date to submit petition to Records Office to graduate in absentia in March.
Commonsplace Theatre, *Empire of the Senses*, 7 and 9 p.m., Room 112 Kern.
Folk and Square Dance Round-Up, 7:30 p.m., Room 133 White Bldg. Free.
URTC, *An Enemy of the People*, 8 p.m., The Pavilion Theatre.
Artist Series, Royal Winnipeg Ballet, 8:30 p.m., Eisenhower Auditorium.

Saturday, Feb. 16
Sports: rifle (coed) vs. West Virginia, Ohio State and Army, 8 a.m.; bowling (men and women) vs. Maryland, 1 p.m.; swimming and diving vs. West Virginia, (women) 1 p.m., (men) 4 p.m.; wrestling vs. Pittsburgh, 2 p.m.; gymnastics (men) vs. Northern Illinois, (women) vs. Louisville, both 8 p.m.
France-Cinema, *TBA*, 7 and 9 p.m., Room 112 Kern.
GSA Valentine Day Social, 8 p.m., Room 102 Kern.
URTC, *An Enemy of the People*, 8 p.m., The Pavilion Theatre.

Sunday, Feb. 17
University Chapel Service, 11 a.m., Eisenhower Chapel. Bryan Polk, intern pastor, Lutheran Student Parish, speaker.
Edmund Battersby, Montclair State College, piano, and Maureen Carr, director, School of Music, perform and discuss Beethoven's "Thirty-three Variations on a Waltz by Diabelli, Op. 120," 3:30 p.m., Schwab.
Commonsplace Theatre, *Empire of the Senses*, 7 and 9 p.m., Room 112 Kern.

Seminars

Thursday, Feb. 7
Computer Science, Gerhard Barth, computer science, on "A New Application of the Consensus Principle," 4 p.m., Room 325 Whitmore (new listing).

Friday, Feb. 8
Philosophy, Alfonso Gomez-Lobo, Georgetown Univ., on "Ontology and Theology in Aristotle," 8 p.m., Room 151 Willard.

Friday, Feb. 8
Analytical Chemistry, Roger Bleiler, grad student, on "NMR Studies of the Paramagnetic Susceptibilities of Co, Cu and Ni Complexes," 11:10 a.m., Room 333 Whitmore.

Saturday, Feb. 9
Horticulture, Donald Kenney, Abbott Laboratories, on "New Microbial Products for Agriculture and Forestry," 1 p.m., Room 301 Ag. Admin. Bldg.

Physical Chemistry, Dennis Diestler, Purdue Univ., on "Optical Spectroscopic Studies of Molecular Processes," 2:30 p.m., Room 333 Whitmore.

Monday, Feb. 11
Microbiology, Cell Biology, Biochemistry and Biophysics, Robert Subadinski, Temple Univ., on "Interferon: Effect on 2, 5-(A) Polymerase, Poly ADP Ribose Polymerase, and DNA Synthesis in HeLa Cells," 4 p.m., Room 101 Althouse.

Tuesday, Feb. 12
Microbiology, Cell Biology, Biochemistry and Biophysics, Robert Subadinski, Temple Univ., on "Use of ¹³C-NMR and Mass Spectroscopy to Study the Biosynthesis of Naturally Occurring Nucleotide Antibiotics and their Effect on Eucaryotes, Procarotes, Viruses and Plants," 11 a.m., Room 101 Althouse.

Organic/Inorganic Chemistry, M. Aba Zarga on "Synthesis of Morphine," 12:45 a.m., Room 333 Whitmore.

Water Pollution Control, Tom Kulesza, Industrial Waste Unit, Philadelphia Water Dept., on "Philadelphia's Pretreatment Program," 2:20 p.m., Room 165 Willard.



Siobhan McKenna

History, Robert J. Maddox, American history, on "Origins of the Cold War," 2:30 p.m., Room 101 Kern.

Geosciences, Peter Given, fuel science, on "The Importance of Geochemical Considerations in Determining Coal Behavior in Utilization," 3:45 p.m., Room 26 Mineral Sciences.

ASM, William A. Nystrom, Stackpole Carbon Co., on "Modern Industrial Applications of Graphite Materials," 7:30 p.m., Room 301 Steidle.

English, Peter Nicolaisen, German scholar, on "Artists in Faulkner's Fiction," 8 p.m., Room 305 HUB.

Wednesday, Feb. 13
Philosophy of Sport, Steven Danish, human development, on "Enhancing Athletic/Personal Development," noon, Room 104 White Bldg.

Microbiology, Cell Biology, Biochemistry and Biophysics, Thomas H. Maren, Univ. of Florida, on "Role of Carbon Dioxide in Secretory Processes: A Comparative Approach," 4 p.m., Room 101 Althouse.

Thursday, Feb. 14
Ceramic Science, Richard J. Fields, National Bureau of Standards, Washington, D.C., on "Deformation and Fracture Mechanism Maps," 11 a.m., Room 301 Steidle.

Chemistry, Richard R. Schrock, MIT, on "Early Transition Metal Organometallic Chemistry," 12:45 p.m., Room 333 Whitmore.

Physics, R. Richardson, Cornell Univ., on "He- the Uncharged Superconductor," 3:55 p.m., Room 445 Davey.

Friday, Feb. 15
Analytical Chemistry, Kevin Corby, grad student, on "Development of an Electrochemical Photovoltaic Cell," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Roger Herman, physics, on "Vector and Scalar Interference in H₂ and HD," 2:30 p.m., Room 333 Whitmore.

Exhibits

Chambers Gallery: Robert Andriulli, paintings; Ron Gallas, glass exhibit

HUB Galleries: PSU Cinema exhibit, through Feb. 12; Jinx Webster, recent ceramic works, both in Art Alley.

Kern Commons: Shirley Sargent, ceramics; Jerry Sawyer, Marc Levy, Carol Lindsay and Rich Hoover, photographs.

Museum of Art: Wirth McCoy, recent paintings, through Feb. 17; sculpture from the permanent collection; Pennsylvania prints from the collection of John C. O'Connor and Ralph M. Yeager.

Pattée Library: The 1980 Olympics — books, brochures, paraphernalia, Main Lobby, exhibit celebrating the 100th anniversary of the U.S. Geological Survey, East Corridor Gallery; Diane McManus, paintings and drawings; Lending Services Lobby, all through Feb. 15.

The Marvelous Travels of Baron Munchausen, from the Allison-Shelly Collection, Rare Books Room.

Robeson Cultural Center: Malkia Roberts, paintings, "Colorpoems/Connections."

Visual Arts Zoller Gallery: Wirth McCoy Retrospective, through Feb. 17.

Arts Roundup

McKenna to replace Flanagan in Artists Series Feb. 9 show

Irish actress Siobhan McKenna will appear in a one-woman show, "Here Are Ladies," at 8:30 p.m. Saturday, Feb. 9, in Schwab Auditorium.

Her performance is sponsored by the Artist Series and has been scheduled as a replacement for Fionnula Flanagan, whose program, "James Joyce's Women," was cancelled.

In her show, Ms. McKenna will portray women from the works of such Irish writers as Shaw, O'Casey, Yeats, Synge, Beckett and Joyce. She will present Joyce's two great monologues, "Anna Livia Plurabelle" from *Finnegans Wake* and Molly Bloom's closing reverie in *Ulysses*.

Ms. McKenna has extensive credits on stage, television and in films.

Tickets for "James Joyce's Women" will be honored for "Here Are Ladies." The performance is part of the Drama Series and is sold out by subscription. Any returned tickets will go on sale at the door beginning at 7 p.m. the evening of the performance.

Smith recital to include Haydn, Schubert, Debussy, Prokofiev

Pianist Steven Smith, an associate professor of music, will perform works by Haydn, Schubert, Debussy and Prokofiev in a recital at 8:30 Monday, Feb. 11, in the Music Building, Recital Hall.

Mr. Smith, who performed recently at Philadelphia's Museum of Art and on a concert tour of Spain, France and Gabon (Africa), will open his program with Haydn's Sonata in D Major, followed by the Sonata in A Major, opus posthumous by Franz Schubert. He will also play two preludes by Claude Debussy, "Canope" and "Feux d'Artifice," and will conclude his performance with Prokofiev's Sonata VII.

Mr. Smith was a Fulbright Scholar at the Mozarteum Academy in Salzburg, Austria. He earned his doctorate at the Eastman School of Music. A student of Cecile Gehring, Kurt Neumuller and Brooks Smith, he has been a member of the University music faculty since 1972.

Dance concerts Feb. 8-9

The Contemporary Dance Company, sponsored by the College of Health, Physical Education and Recreation, will present its annual concert at 8:30 p.m. Friday, Feb. 8, and a Young People's Dance Concert at 2:30 p.m. Saturday, Feb. 9, both in Eisenhower Auditorium.

Co-directors for the concert are Paula Donahoe and Patricia Heigel-Tanner, assistant professors of physical education. Seven works will be presented Friday evening. They are:

"Shadows of Intrusion" a piece for five women based on a poem by Edna St. Vincent Millay to music by Edward Varese, "Sentimentals," choreographed by Kathy S. Stuart; three works choreographed by Prof. Donahoe — "Jigsaw," "Wallflowers," and "Scrabble"; and two pieces by Pat Heigel-Tanner — "Duet for Flute and Dance" and "Coming Together."

Saturday afternoon's Young People's Dance Concert will focus on the dancer's craft, the art of improvisation and the creative process through the art of choreography. The Company will also perform four works from its repertoire.

Tickets for the concerts are on sale at the Eisenhower Box Office from 9 a.m. to 4 p.m. weekdays and at the door.

1980-81 Leaves of Absence

College of Agriculture

Carl W. Haseler, professor of pomology and pomology extension, to work at the Institute für Rebenzüchtung und Rebenveredlung in West Germany investigating the wine grape varieties that show promise of adaptability in Pennsylvania.

Daniel P. Knievel, associate professor of crop physiology, to study at the USDA/SEA Grassland, Soil and Water Research Laboratory at Temple, TX, to develop agronomic systems models to be used in wide area yield evaluation and production.

Morris G. Mast, associate professor of food science extension, to serve as senior scientist at Gelderholt Institute for Poultry Research, Breda, The Netherlands, researching poultry processing techniques in the European economic community.

Richard R. Nelson, Evan Pugh Professor of plant pathology, to conduct research on the genetics of host-pathogen interactions in mass germplasm reservoirs—conservation of genetic variability and reduction of genetic vulnerability at UC-Davis.

C. Shannon Stokes, professor of rural sociology, to conduct research on the relationship between agricultural and demographic change at Alexandria Univ., Alexandria, Egypt.

College of Arts and Architecture

Richard Alden, assistant professor of architecture, to study drawing and design teaching methods in the British system with the Architectural Association in London.

Robert W. Bailey, professor of music, to pursue research interests in American music, study new publications and renew effectiveness in piano performance and instruction.

Yar G. Chomicki, professor of art education, to renew interest and skill in painting in oils and to organize information and techniques of teaching and developing literature in the art of oil painting.

Raniero Corbellotti, professor and head of architecture, to make a comparative study of the professional education systems in the United States and the United Kingdom.

Burt L. Fenner, professor of music, to research new techniques in electronic music to assist in developing a computer sound synthesis program at Penn State, to write compositions for computer, and to prepare a graduate course in computer generated music.

William P. Hanson, associate professor of art, to concentrate on painting, visit museums and consult with museum experts and professional artists.

Lanny B. Sommes, associate professor of art, to gain a better understanding of the responsibilities of a practicing design professional by working at established design studios.

Roy S. Vollmer Jr., associate professor of architecture, to do research for publication concerning architectural concepts related to the origins and evolution of architecture.

Behrend College

Thomas G. Fox, professor of economics, to revise a computer simulation model for introductory macroeconomics courses and to develop a new program of economic policy evaluation.

A. Daniel Frankforter, associate professor of history, to undertake an historical study of the contributions of queens to the history of the English monarchy, focusing on the historical evolution of male and female sex roles within the English monarchy.

College of Business Administration

Anthony J. Curley, professor of finance, to study capital budgeting procedures at a number of U.S. corporations.

James D. Hammond, professor of business administration, to study the shifts in capital management and regulation now being initiated through international marketing, focusing on the New York Insurance Exchange and its potential impact on domestic and foreign insurance markets.

George B. Kleindorfer, associate professor of management science, to study selected advances in the simulation field, to complete a geontological research study, and to develop a Chautauque-type short course on simulation analysis applied to social service systems.

Alan J. Stenger, associate professor of business logistics, to evaluate the management of logistical and materials flow activities among leading U.S. manufacturers.

Capitol Campus

Theodore R. Graham, associate professor of humanities and English, to complete a book and prepare several articles on William Carlos Williams.

George M. Graham, associate professor of mathematics and engineering, to complete a reference text on the design of complex wind tunnels.

John S. Patterson, associate professor of American studies and history, to complete research on the role of the Gettysburg Battlefield in American culture since 1863.

Frank J. Swetz, professor of mathematics and education, to study attitudes toward mathematics among rural and urban Malaysian students and to study the mathematical concepts of the orang asli aborigines of Malaysia.

Commonwealth Campuses

Peter R. Adams, associate professor of chemistry, York, to do research in the area of enzyme models and phase-transfer catalysis at the U. of Sheffield, England.

Kathryn M. Grossman, assistant professor of French, Beaver, to complete first draft of a book on the novels of Victor Hugo, investigating the author's concept of romanticism and the romantic novel.

Carl L. Meyerhuber, assistant professor of history, New Kensington, to study the coal strikes of 1922 and 1927 in Pennsylvania's Allegheny Valley.

Peep Peter Rebane, associate professor of history, Ogontz, to investigate the medieval criminal court records in the archives of the city of Tallinn, now on deposit in Koblenz, West Germany.

College of Earth and Mineral Sciences

Leonard G. Austin, professor of fuels and mineral engineering, to collect materials to finish the first volume of a text on the process engineering of size reduction.

Richard L. Gordon, professor of mineral economics, as a visiting scholar at MIT's Energy Laboratory, to survey the problems that the electric utility and coal industries face.

Lee W. Saperstein, professor and section chairman of mining engineering, to work at the Royal School of Mines in London studying the mine design and planning process and its integration into the overall land-use planning process.

Alfred Traverser, professor of paleontology, to do research in Zurich at the Geological Institute of the Swiss Federal Technical Institute on the "Gloria Challenger" in the Black Sea in 1975. Wilbur Zelensky, professor of geography, to do a cross-national study of symbols which have been used to create unity among various populations.

College of Education

Paul E. Bell, associate professor of education, to pursue retaining in instructional supervision at several different universities.

John A. Salvia, professor of special education, to work in the area of non-discriminatory, individual assessment of handicapped clientele at the University of Minnesota and UCLA.

William E. Toombs, professor of education and research associate, Center for the Study of Higher Education, to examine ideas and policies that shape the nature of postsecondary or tertiary level education in the U.S. and England while at the University of London.

College of Engineering

Sabih I. Hayek, professor of engineering mechanics, to do research in acoustic scattering from elastic structures and in bio-acoustics and community noise at the Naval Oceanographic Systems Center and the Scripps Institution of Oceanography in San Diego, CA.

Robert L. Kabel, professor of chemical engineering, to prepare a monograph on the kinetics and engineering of catalytic reactions for the Elsevier Monograph Series in Chemical Engineering.

Frank W. Schmidt, professor of mechanical engineering, to do research at Imperial College, London, and Harwell, on laminar, transitional

and turbulent natural convective flows in enclosures to develop the numerical techniques needed to predict flow characteristics and to provide an insight into the physics of flow.

College of Health, Physical Education and Recreation

Geoffrey C. Godbey, professor of recreation and parks, to research outdoor recreation patterns in England and the U.S.

College of Human Development

Anthony R. D'Augelli, associate professor of human development, to review current activities in mental health consultation and education services at the U. of Michigan, with emphasis on constructing a systematic conceptual model for the development and evaluation of preventive services.

Walter E. Freeman, professor of human development, to investigate major organizational structures of the Puerto Rican community in relation to its participation and assimilation into North American community life.

College of the Liberal Arts

Judd B. Arnold, associate professor of English, to write a book on the "Problem Plays" of Shakespeare, studying how the admirable virtues of the protagonists disintegrate as events overtake them.

Roy L. Austin, assistant professor of sociology, to do research on the relationship between crime and social disadvantage, using historical and cross-cultural data from American and Caribbean sources.

Ronald E. Buckalew, associate professor of English, to complete work on a critical edition of Aelfric's Old English Latin Grammar and Glossary.

Frank Clemente, associate professor of sociology, to complete a research monograph on "The Sociology of Energy," dealing with electric system planning, its socioeconomic impact, the role of the public, and energy conservation.

Wilma R. Ebbitt, professor of English, to work on a book containing articles written by Margaret Fuller.

Richard L. Frautschi, professor and head of French, to complete a bibliographic study of French novels and short stories of the late 18th century in libraries of central and eastern Europe for publication of the second edition of the *Bibliographie du genre romanesque francais, 1751-1800*.

Richard E. Gregg, professor of speech communication, to write a monograph on communication as rhetorical inducement in symbolic form, based upon perception, language and comprehension.

Thomas A. Hale, associate professor of French and comparative literature, to collect, translate and publish oral epic literature of the Songhay-speaking people of Niger and Mali to make this West African literature available in English.

Paul B. Harvey Jr., associate professor of history, to complete two major studies on the influence of Hellenistic Greek tax regulations on the Roman administration of provincial properties, and an edition of an epigraphic French text of the first century A.D.

Edward Keynes, professor of political science, to do a comparative study of the German Federal Constitution Court and the United States Court as judiciary law making institutions.

Robert D. Lee Jr., professor of public administration, to analyze the impact of major legislative reforms for evaluation and merit pay in the Federal Personnel System in five states of the Mid-Atlantic region.

Robert E. Lougy, associate professor of English, to study the impact of the Arabian Nights on the work of Wordsworth, Tennyson, Dickens and other 19th century English writers.

Robert J. Liddon, professor of American history, to complete a book providing an historical account of the origins of the Cold War.

Terry J. Peavler, professor of Spanish and comparative literature, to write a book, "The Dissident Voice: Reflections on the Novel," examining the roles of the novelist and the novel in countries with differing political systems.

Louis C. Perez, professor of Spanish, to study Feliciano Enriques de Guzman, a Spanish playwright of the early 17th century, and to prepare a critical edition of her work, *Tragicomedia*.

Jan S. Prybyla, professor of economics, to study the market components of administratively commanded economic systems and their effect upon the official systems in the Soviet Union, China, Hungary, Poland and Cuba.

Richard Ravizza, associate professor of psychology, to study "holistic health" practice at the Himalayan International Institute as a means of preventative mental and physical disease strategies for applied psychology settings.

Richard Rosenberg, associate professor of economics, to examine the impact of the Australian Prices Justification Tribunal on the aluminum industry and its usefulness for U.S. consideration as a means to control inflation.

Peter Scheemans, assistant professor of English, to complete a novel extending metaphorical and analogical aspects of time and place in a modern American setting.

Robert M. Stern, professor and head of psychology, to do psycho-physiological research at the University of Meiss, Germany. John M. Warren, professor of psychology, to do research on the relationships between animal learning ability and age at the National Research Council, Rome.

Eugene E. White, professor of speech communication, to complete a book on configurational approach to rhetorical criticism, a new means of examining the effectiveness of influential communication.

Vickie L. Ziegler, associate professor of German, to prepare a book manuscript on the romantic "frame stories" of early 19th century German writers Clemens Brentano, E.T.A. Hoffman, Achim von Arnim, and Wilhelm Hauff, at Cambridge and Berlin.

College of Medicine

James M. Hammond, associate professor of medicine, to study the effect of the hormone prolactin on the function of the sheep ovaries and learning techniques devised in Australia.

Louis Hass, associate professor of biological chemistry, to become familiar with new techniques involved in studying protein structure.

Alexander Kalenak, associate professor of surgery, to gain knowledge in reconstructive surgery of the knee, to learn techniques of operative arthroscopy, and to do research on the biomechanics of running and the biomechanics of artificial ligament material.

Arthur F. Krieg, professor of pathology, to write a textbook on laboratory management in cooperation with the Department of Management Sciences at Penn State.

College of Science

Julian P. Heicklen, professor of chemistry, to serve as visiting professor in the Dept. of Environmental Health Sciences at the Hebrew University in Jerusalem, Israel, pursuing an interest in toxicology and epidemiology as well as ideas on age adjustment and the mortality data concerning Israel.

Roger M. Herman, professor of physics, to do research in theoretical atomic physics at the University of Heidelberg in Germany, concentrating on precision measurements of energy intervals in atomic hydrogen and on collisional effects of muonic atoms.

Donald G. James, professor of mathematics, to study in the area of number theory and the applications of classical algebra to number theory in Göttingen, Germany.

Thomas Jech, professor of mathematics, to investigate topics related to the axioms of the real numbers at UC-Berkeley and also study the theory of infinite games.

Friedrich W. Lampe, professor of chemistry, to do research in the Hahn-Meitner Institute for Nuclear Research in West Berlin to study the dynamics of chemical reactions that occur during collisions of energetic atoms and ions with simple molecules and the roles that these reactions play in determining the behavior of chemical systems subjected to ionizing radiation.

Roger Ware, associate professor of mathematics, to work on problems in the algebraic theory of quadratic forms at UC-Berkeley.

Penn State Intercom

Time to celebrate our 125th

A People-to-People program and the preparation of an oral history of Penn State will highlight the University's celebration this year of the 125th anniversary of its founding.

Feb. 22 — the date on which the Farmers High School was chartered in 1855 — will mark the opening of the celebration, which will include a program of special anniversary events in each college and at each campus and tie-ins ranging from Penn State postmarks to T-shirts.

The People-to-People campaign will take members of the faculty, staff and student body out into the State to tell the citizenry about the University's educational, research, service and economic contributions to the Commonwealth.

Volunteers at each Penn State campus will fan out in a 25-mile radius to contact media, local leaders, legislators and government officials in their areas. Speakers will be provided to local groups, and residents will be invited onto the campuses to share special anniversary

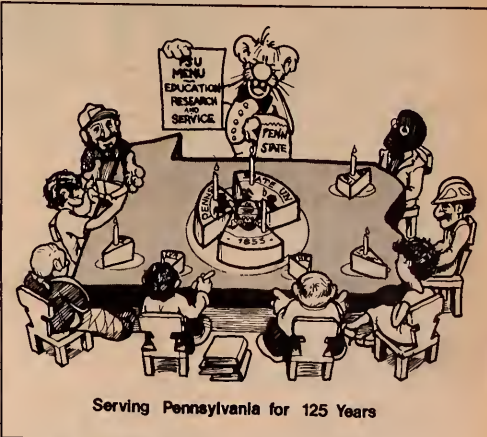
events.

A press kit has been prepared for the print and broadcast media in Pennsylvania with articles describing plans for the anniversary celebration, a brief history of Penn State, a list of its contributions, photographs and other relevant materials.

The goal is for a Penn State representative to visit every newspaper, radio and television station in the State.

The oral history effort will be directed by Leon J. Stout, senior assistant librarian in the Penn State Room. Former president Milton S. Eisenhower already has been interviewed. Dr. Stout and his staff hope to compile some two dozen oral histories during the course of the year.

To emphasize the breadth, diversity and richness of the total University experience, each college and campus has been asked to submit a list of from one to six events which it will be sponsoring this year and which might be tied-in to the official anniversary observance. These activities could run the gamut from lectures and plays to art exhibits and sporting events.



Serving Pennsylvania for 125 Years

Cartoon will be included in press kits.

Senate vote indicates approval of advising as a consultative process

Changes in the function of advising at the University were not resolved by the Senate, which sent back to committee two recommendations and voted down two others made by its Subcommittee on the Role of the Adviser.

During the debate at the Feb. 5 meeting, many senators expressed concern that Recommendation 1, which defined the role of the academic adviser as consultative in nature, conflicted with previous Senate legislation.

Senator Thomas E. Daubert (Engineering), in making the motion to return the legislation to committee, pointed out that University forms use the word "permission" rather than "consultation."

Subcommittee chairman Jefferson D. Ashby asked that a straw vote be taken to determine if senators indeed wanted the advising function to be consultative before

the Subcommittee embarked on further lengthy deliberations. The vote was taken, and the Senate clearly indicated its preference for the consultative concept. The Subcommittee will now consider the ramifications of such a change on existing rules.

The Senate then debated and voted down Recommendation 2, which proposed the development of advising programs with training and monitoring components.

Senator Joseph Michels (Liberal Arts) noted that, while supporting the spirit of the proposal, he felt the actual recommendation would have the effect of constraining advising and limiting the access of students to advisers.

Several senators expressed the opinion that sufficient information was available to conscientious advisors from such sources as the Student Handbook and that the

legislation was unnecessary.

The Senate also rejected the third recommendation, which proposed that PS-23 clearly indicate that academic advising is an important part of the instructional role of most faculty members. There was a general reluctance to add new stipulations to the promotion and tenure regulations. Senator Irwin Feller (Liberal Arts) pointing out that advising was already mentioned four times in the promotion and tenure guidelines.

The fourth recommendation was originally included in the Senate docket as an "attachment" to the committee report. The Committee on Academic and Athletic Standards suggested that it be made Recommendation 4 and that it be included in the Faculty and Student Handbook. The statement listed five components of academic advising and specified a number

to be included in the role of the adviser and responsibilities of the advisee.

The Senate voted to return this recommendation to committee so that it could be reviewed in the light of changes to be made to Recommendation 1.

The Senate then passed several pieces of legislation, including:

— Clarifying Course-Drop Policy 34-89 for students wishing to drop courses which do not occupy a standard 10-week time module.

— Allowing the offering of an associate degree program in either a regular or extended mode once the Committee on Curricular Affairs has given it academic approval.

— Allowing a college to require that students be enrolled in a major at the beginning of either the fourth, fifth, sixth

(Continued on page 2)

University pleased by State's acceptance of concept of equity in budget

Pennsylvania's situation is not as gloomy overall as that of such neighbors as New York State. Provost Eddy told the Feb. 5 Senate meeting in commenting on Governor Thornburgh's annual budget message, which was delivered earlier that day to the joint houses of the legislature.

"Nevertheless, the emphasis given by Governor Thornburgh for Pennsylvania was on austerity," Dr. Eddy said.

"Revenue is down; fixed expenses are up, and there is fierce competition for the little that is discretionary."

The Governor recommended a total allocation of \$127 million for Penn State,

an increase of \$6.9 million over last year's appropriation of \$120 million. The University has requested \$140 million.

Dr. Eddy noted, however, that the Governor had singled out higher education this year as one of the few areas for some increase in appropriations in recognition of its need for assistance in encountering the problems to be faced in the '80s.

The recommendation for basic education was virtually zero in increased appropriation, except for about 3 percent which is mandated, the Provost said, continuing:

"On the other hand, the Governor

recommended approximately 6 percent for both the state-related and state-owned colleges and universities. Our arguments in behalf of equity seem to have been heard."

The actual figure in the Penn State in educational and general funds, research, agricultural research and agricultural extension. No increase was requested for student aid, the soil survey, and medical education.

"Without the latter three items, the total increase of approximately \$7 million came to 5.8 percent," the Provost said.

The picture is somewhat different, Dr. Eddy pointed out, when the recommendation for Penn State is compared to that for the University of Pittsburgh and Temple University.

"Both institutions have a much higher percentage of their total budget in medical and dental education," Dr. Eddy explained. "With no increase also for them in these categories, their total appropriation would be increased by 5.2 percent for Pitt and 5.1 percent for Temple. All of us received 6 percent in the educational and general funds, and, in

(Continued on page 2)

Search Committee invites nominations, applications for new Vice-President-Dean position

Fourteen persons have been invited by President Oswald and Provost Eddy to serve on a search committee for the position of Vice-President and Dean of the University-wide System of Continuing Education and Commonwealth Campuses.

The Committee, which will be chaired by Dr. John J. Coyle, professor of business administration, invites nominations and

applications for the position.

The Vice-President and Dean, with appropriate faculty and administration consultation, will be expected to develop the details of the administrative integration of the two units, an action authorized by the Board of Trustees at its January meeting. He or she will be responsible for academic and administrative affairs on

Commonwealth Campuses and for the overall direction and fiscal control of Continuing Education programs. The occupant of the position will report to the University Provost, and, along with other principal academic officers, will be a member of the President's Staff and the Council of Academic Deans.

The reorganization does not alter

present policies which place Commonwealth Campus faculty membership in an academic department and college, and which require new continuing education programs to have departmental and college approval.

Candidates should have at least ten years of combined experience as faculty

(Continued on page 2)

Penn Staters

Dr. Richard A. Anthes, professor of meteorology, has received the Clarence Leroy Meisinger Award of the American Meteorological Society. The award is given annually in recognition of a research achievement that is, at least in part, aerological in character. Dr. Anthes was honored for research and modeling in tropical cyclones and mesoscale meteorology.

Dr. Maurice Shamma, professor of chemistry, recently returned from Southeast Asia where he delivered several invited lectures and collected plants which he will analyze for medicinals. In India, he presented talks at the University of Calcutta on the biogenesis of aporphine alkaloids and recent developments in berberine alkaloids. In Thailand, Dr. Shamma spoke on aporphine biogenesis at Mahidol University in Bangkok.

Raniero Corbelli, professor and head of the Department of Architecture, has been named president of the State Board of Examiners of Architects. The five members of the Board, appointed by the Governor, supervise the examination and registration of architects in Pennsylvania and regulate professional conduct in regard to architectural practice in the State.

Dr. Robert E. Newham, professor and head of the solid state science program, recently served as the keynote speaker at the 17th Annual Solid State Physics Conference sponsored by the Institute of Physics of Great Britain and held at the University of Warwick in Coventry, England. His topic was "Ferroic Crystals." Before returning home, he also gave a seminar at the Atomic Energy Research Establishment at Harwell, England, discussing "Composite Piezoelectric Transducers."

Dr. John A. Dutton, professor of meteorology, was recently elected vice chairman of the University Corporation for Atmospheric Research (UCAR). UCAR is a consortium of 48 North American universities and research institutions with active research programs in atmospheric science.

Bookshelf

A faculty member at Capitol Campus is the author of one of the first books in McGraw-Hill's new "Quantitative Methods for Management" series. Dr. Christopher K. McKenna, associate professor of management science and acting head of the Business Administration Program at Capitol, wrote the 425-page *Quantitative Methods for Public Decision Making* for use in graduate programs in Public Administration, undergraduate courses in Public Policy and Policy Analysis, and for professional development short courses.

This is the first text specifically aimed at presenting management science techniques entirely through public sector applications.

The author treats quantitative analysis as one of many sources of information available to the public decision-maker. Students will see applications to health, criminal justice, regional planning, municipal operations, education, and other public sector fields of service.

The book brings the relevant literature to the attention of the reader not only through chapter by chapter bibliography listings but also by presenting in each chapter a shortened version of an application taken from the literature. The text presents the applications in such a way that the reader can understand and appreciate the role of quantitative analysis in decision making without having to go through all of the mathematical details that the quantitative specialist would execute.



Louis A. Berrena, manager of the HUB food services, has received his 25-year chair from the University.

Mr. Berrena joined the Penn State staff in December 1954 as head supervisor in Waring Hall. In June of 1956 he became supervisor of the HUB cafeteria, and two months later he was promoted to his present position.

As manager of HUB food services for 23 years, Mr. Berrena has brought several new programs to the cafeterias. He instituted the popular candlelight dinners to mark such holidays and special events as Christmas, Thanksgiving, International Week and the Winter Carnival Celebration.

He also introduced live entertainment in the Terrace Room and brought a deli bar, salad bar and hot sandwiches to the cafeteria menu.

In addition to directing HUB food services, Mr. Berrena has been active in the community. In 1976 he received the Italian-American Press "Oscar," recognizing his efforts as a community leader and contributor to good causes.

He and his wife, Patricia, have eight children and six grandchildren.

Promotions

Staff Exempt

Carinda Leppert to neonatal nurse instructor at Hershey.

Staff Non-Exempt

Linda R. Cranston to clinic supervisor at Hershey.

Jonathan E. Gardner to cardiovascular technician at Hershey.

Barbara J. Phillips to nutrition aide supervisor in Agriculture.

Joyce M. Rogers to grants and contracts accountant in Controller's Office.

Clerical

Beth A. Gedon to secretary C in Intercollege Research Programs.

Doris J. Gentzel to clerk, records A in Registrar's Office.

Barbara R. McCamish to research data processor A in Engineering.

Jennifer B. Morris to senior clerk in Human Development.

Sharon A. Noley to input operator in Libraries.

Patricia A. Sundy to clerk, receptionist in Undergraduate Admissions.

Kelly S. Wingst to senior manuscript typist at Hershey.

Technical Service

Helen M. Fisher to storeroom clerk A at Hershey.

Harry E. Huey to photo technician in UDIS.

Carolyn J. Lewis to patient service aide at Hershey.

Sallie J. Phillips to physical therapy aide at Hershey.

Cecilia E. Patnam to lab technician A in Agriculture.

Peter Strecker to maintenance worker-campus housing in Housing and Food Services.

James F. Usher to utility worker at Hershey.

Theodore J. Young to instrument maker A in Science.

Retirements

Lemuel R. Reese, a laboratory maintenance technician in the College of Science, retired Feb. 1 after 22 years of service at Penn State.

Mr. Reese started out as a night janitor at the HUB. After three years he switched to the Division of University Safety and worked as a campus patrolman for nine years before moving to the College of Science.

His job required him to keep equipment in the University's many chemistry labs in good operating condition, and he has applied his skills to plumbing, carpentry and electrical work in pursuit of that goal.

Dinner hour will be somewhat less hectic for Darlene N. Wright when she retires Feb. 16. Ms. Wright, a dining hall supervisor, has spent more than 15 years overseeing food service operations in a succession of University Park residence halls.

Ms. Wright is a 1941 Penn State graduate with a degree in institutional management. Three of her six children are also alumni, and a fourth will graduate in May. Her husband, Morgan, worked for Penn State as a fee assessor until his death eight years ago.

Paul Scosah, a preventive maintenance worker in Housing and Food Services, will retire Feb. 26 after 16 years of service. He joined the University's staff as a janitor Oct. 30, 1964, and moved to the maintenance crew last year.

Sarah A. Hornbeck, a clerk, verifier in the University Libraries, retired Feb. 1. She had been a member of the staff since Jan. 29, 1970.

Martha J. Bahner, a tray assembler at Hershey, retired Feb. 3. She had been employed by the University since Feb. 1, 1971.

Search Committee

(Continued from page 1)

members and executive-level administrators at a multi-campus research university or a comparably complex organization with a continuing education program.

They should possess a terminal degree in a discipline or professional field and have demonstrated commitment to undergraduate education and lifelong learning. They should have proven ability to organize tasks, supervise personnel, manage funds and cultivate innovation. The ability to think, write and speak clearly — as manifested by scholarly research and professional activity — should be demonstrated.

Candidates should be available by July 1, 1980, for assignment at University Park. Nominations and letters of application should be sent to the Search Committee by March 25, 1980, c/o Office of the Provost, Room 205 Old Main, University Park, PA 16802.

Persons invited to serve on the Search Committee include:

Dr. Robert D. Arbuckle, director, New Kensington; Dr. Michael A. Barendse, assistant professor of sociology and American studies, Worthington Scranton; Dr. Roy C. Buck, professor of sociology and social science; Dr. Edward V. Ellis, associate dean for Continuing Education and Commonwealth Campuses, Human Development; Marlowe Froke, director of media and learning resources; Dr. Richard E. Grubb, senior vice-president for administration; Dr. Evelyn A. Hovance, associate professor of English, Fayette; Dr. Arthur J. Marsicano, associate professor of engineering, Schuylkill; Patricia M. Overdeer, professor of mathematics, Ogontz; Dean Nunzio J. Palladino, Engineering; Dr. Rosemary Schaefer, assistant provost; Dr. Nancy M. Tischler, professor of English and humanities, Capitol; and Victor M. Verbeke, coordinator, Council of Branch Campus Student Governments.

Attention: Carpoolers

To help commuting faculty and staff members save gasoline, INTERCOM will begin publishing lists of persons seeking drivers and/or passengers for car pooling to work at the University. The lists will be published as occasion demands and space permits.

Interested persons should submit their requests to INTERCOM, Room 312 Old Main. The information needed: name, residence, work location, arrival and departure times, phone numbers for residence and work, and whether drivers, riders or both are sought.

Equity

(Continued from page 1)

Penn State's case, in research. It is confusing to have these two sets of figures for comparison, but it is important to realize the difference the medical and dental amounts make."

Dr. Eddy also said the Senate the following comment from President Oswald:

"In view of the overall financial picture of the state, Penn State is gratified to note that higher education is recognized by the Governor as one of the truly pressing needs of the Commonwealth. The first item on our agenda is to study this recommendation and its impact on the budget and on tuition levels. Until the legislature begins its consideration of the budget, it is too early to speculate on what will be required."

Dr. Eddy added that until the legislature concludes its consideration of the budget, no tuition rate will be fixed.

"The early consensus in Harrisburg is that higher education has fared very well indeed in comparison with other services of the state government," Dr. Eddy said, "and that at least the tendency to favor state-owned in preference to state-related did not surface in this year's recommendation."

Dr. Eddy pointed out that the Governor also recommended \$13,789,000 in his capital budget for Penn State's most pressing needs. These include \$8,034,000 for required boiler plant improvements; \$4,600,000 for sewage plant improvements; \$788,000 for improvements to the electrical distribution systems; and \$367,000 for extension of water lines.

"Our next big step in terms of the budget," the Provost concluded, "is to examine the recommendations and look at various alternatives prior to the House and Senate hearings by the Education and Appropriation Committees. These hearings are expected to be scheduled fairly soon."

Advising

(Continued from page 1)

or seventh terms and allowing the college to disenroll students if they fail to gain entrance to a major prior to the term specified by the college.

— Allowing any grade to require that students earn at least a "C" in the "prescribed courses" and "additional courses" of their major to fulfill graduation requirements.

During debate on this last proposal, Senator Robert Schmalz (E&MS) protested that the proposal, in a time of declining enrollments, would increase the pressure on faculty members to give "C" rather than "D" grades and thus "mandate" grade inflation.

Liberal Arts senators said that during the years the requirement had been in effect in their college, they had experienced less grade inflation than many other units in the University.

University Park Calendar

Feb. 14-24

Special Events

Thursday, Feb. 14

College of HPER lecture, 3:35 p.m., Room 104 White Bldg. Matthew G. Martoza, dean, Lock Haven State College and international specialist in sport and physical education, on "Sport - The Russian Way."

Mechanical Engineering Distinguished Lecture, S. William Couse, the Mire Corp., on "Energy - The Nature of the Problem," 4 p.m., Room 105 Mechanical Engineering Building.

Valentine Candlelight Dinner, with Ken and Ernie and songs from "way back when," 4:45-6:45 p.m., HUB Terrace Room.

Cinematheque, Hitchcock, *The 39 Steps*, 6:30 and 8:30 p.m., HUB Assembly Hall.

Colloquy lecture, 8 p.m., Eisenhower Auditorium. Dr. Wilson Bryan Key on "Subliminal Seduction."

URTC, *An Enemy of the People*, 8 p.m., The Pavilion Theatre.

Friday, Feb. 15

Last date to submit petition to Records Officer to graduate in absentia in March.

Human Development/Liberal Arts lecture, 2 p.m., Room 112 Kern. Sir Leon Radziewicz, international authority on criminology, on "Administering Justice and Rethinking Sentencing Policy."

Celebration Dinner of Penn State's 125th Anniversary, with music by the Freeland Jazz Quartet, 4:45-6:45 p.m., HUB Terrace Room.

Commonplace Theatre, *Empire of the Senses*, 7 and 9 p.m., Room 112 Kern.

Folk and Square Dance Round-Up, 7:30 p.m., Room 113 White Bldg.

URTC, *An Enemy of the People*, 8 p.m., The Pavilion Theatre.

Artists Series, Royal Winnipeg Ballet, 8:30 p.m., Eisenhower Auditorium.

Saturday, Feb. 16

Sports: rifle (coed) vs. West Virginia, Ohio State and Army, 8 a.m.; bowling (men and women) vs. Maryland, 1 p.m.; swimming and diving vs. West Virginia, (women) 1 p.m., (men) 4 p.m.; wrestling vs. Pittsburgh, 2 p.m.; gymnastics, (men) 1 Northern Illinois, (women) vs. Louisville, both at 8 p.m.

France-Cinema, *TBA*, 7 and 9 p.m., Room 112 Kern.

URTC, *An Enemy of the People*, 8 p.m., The Pavilion Theatre.

Sunday, Feb. 17

PSOC Hiking Division, hike on Tussey Ridge, 9 a.m. HUB parking lot.

University Chapel Service, 11 a.m., Eisenhower Chapel. Bryan Polk, interim pastor.

Lutheran Student Parish, speaker, Edmund Battersby, piano, and Maureen Carr, director, School of Music, perform and discuss Beethoven's *Thirty-three Variations on a Waltz* by Diabelli, Op. 120, 3:30 p.m., Schwab Auditorium.

Commonplace Theatre, *Empire of the Senses*, 7 and 9 p.m., Room 112 Kern.



Turn-of-the-century valentine from the Rare Books Room in Pattee.

Monday, Feb. 18

Audio Visual Services, *Connections* film, 6:30 p.m., Room 101 Chambers.

Shakespeare film, *Brook/Scotfield, King Lear*, 6:30 p.m., Room 101 Chambers.

East Asia Studies Committee lecture, 7 p.m., Room 101 Kern. Parris H. Chang, political science, on "China Revisited."

France-Cinema, *TBA*, 7 and 9 p.m., Room 112 Kern.

Color Slide Club meeting, 7:30 p.m., Room 189 MRL.

Tuesday, Feb. 19

Gallery talk, 10:30 a.m., Museum of Art. Richard Porter, registrar of the Museum, on "Searching for William Williams, Teacher of Benjamin West: A Problem of Connoisseurship."

School of Music Common Hour, opera workshop with student performances, 4 p.m., Music Bldg. Recital Hall.

Sports: wrestling vs. Bloomsburg, 8 p.m.

URTC, *An Enemy of the People*, 8 p.m., The Pavilion Theatre.

Wednesday, Feb. 20

Last day to sign Winter Term Emergency Loans, Room 108 Shields.

Early registration for Spring Term, weekdays, 8:30 a.m.-4:30 p.m., Room 112 Shields, through Feb. 26.

Sports: swimming and diving (men) vs. Bloomsburg, 4 p.m.; basketball (men) vs. Massachusetts, 8:10 p.m.

URTC, *An Enemy of the People*, 8 p.m., The Pavilion Theatre.

Winter Term classes end, 9:55 p.m.

Thursday, Feb. 21

Final examinations. URTC, *An Enemy of the People*, 8 p.m., The Pavilion Theatre.

Friday, Feb. 22

Final examinations. URTC, *An Enemy of the People*, 8 p.m., The Pavilion Theatre.

Saturday, Feb. 23

Final examinations. Sports: fencing (women) vs. Indiana (Pa.), Johns Hopkins, St. John's and Cornell, 9 a.m.

URTC, *An Enemy of the People*, 8 p.m., The Pavilion Theatre.

Sunday, Feb. 24

Sports: fencing (women) vs. Ohio State, Johns Hopkins and St. John's, 9 a.m. Montclair Trio, 3:30 p.m., Music Bldg. Recital Hall.

Seminars

Thursday, Feb. 14

Computer Science, Jeffrey Spinn, computer science, on "Generating-Function Inner Product," 4 p.m., Room 325 Whitmore (new listing).

Mathematics, Richard Schoen, Institute for Advanced Study, on "Recent Advances in Differential Geometry by Analytic Methods," 4 p.m., Room 102 McAllister (new listing).

Statistics, George Weiss, NIH, Bethesda, on "A Combinatorial Problem in the Analysis of DNA Fractionation," 4 p.m., Room 60 Willard (new listing).

Friday, Feb. 15

ARL, David B. Reister, Institute for Energy Analysis, Oak Ridge Assoc. Univs., on "Is Zero Energy Growth Possible?" 10:45 a.m., Walker Conference Room, Applied Science Bldg.

A daily calendar of events is available around the clock at 863-3100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Analytical Chemistry, Kevin Corby, grad. student, on "Development of an Electrochemical Photovoltaic Cell," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Roger Herman, physics, on "Vector and Scalar Intercollisional Interference in H⁺ and HD," 2:30 p.m., Room 333 Whitmore.

Tuesday, Feb. 19

Organic/inorganic Chemistry, C. Froebe, grad. student, on "Ligand-Inert Metal Ions as Probes of Enzyme Structure and Function," 12:45 p.m., Room 333 Whitmore.

Water Pollution Control, Ed Treat, Borough Manager, Myerstown, PA on "Joint Wastewater Treatment at Myerstown," 2:20 p.m., Room 165 Willard.

Biology, Robert Hattaway, biology, on "The Taxonomy and Distribution of the Genus *Glyptothecium* (Muscif.)", 4 p.m., Room 105 Ferguson.

Statistics, Lars Horn, Stanford Univ., on "On Committee and Capture-Recapture Problems," 4 p.m., Room 60 Willard.

Thursday, Feb. 21

Mathematics, Harvey Canuh, Univ. of Tennessee, on "The Green Relations," 4 p.m., Room 102 McAllister.

Friday, Feb. 22

Statistics, Robert Serfling, North Carolina Univ., on "The Poisson Approximation: Recent Developments and New Applications," 4 p.m., Room 160 Willard.

Exhibits

Chambers Gallery: Robert Andriulli, paintings; Burke/Hartwick Glass Invitational, student artists, both through Feb. 20.

HUB Galleries:

Jinx Webster, recent ceramic works, through Feb. 20, Art Alley.

Kern Commons: Shirley Sengenbaler, ceramics, through Feb. 22; Jerry Sawyer, Marc Levey, Carol Lindsay and Jack Hoover, photographs.

Museum of Art: Wirth McCoy, recent paintings, through Feb. 17; sculpture for the permanent collection, through Feb. 24; Pennsylvania prints from the collection of John C. O'Connor and Ralph M. Yeager; Chinese export porcelains from the collection of Dr. and Mrs. Harold L. Tonkin, opens Feb. 24.

Pattee Library: The 1980 Olympics - books, brochures, paraphernalia, Main Lobby; exhibit celebrating the 100th anniversary of the U.S. Geological Survey, East Corridor Gallery; Diane McManus, paintings and drawings; Lending Services Lobby, all through Feb. 15.

The Mark Twain Collection, *Travels of Baron Munchausen*, from the Allison-Shelly Collection, Rare Books Room.

Robeson Cultural Center: Malikia Roberts, paintings, "Colorpoems/Connections," through Feb. 23.

Visual Arts Zoller Gallery: Undergraduate students exhibit, opens Feb. 24.

Arts Roundup



Edmund Battersby

Beethoven program is Feb. 17

Dr. Maureen A. Carr, director of the School of Music, and pianist Edmund

Battersby of the Montclair State College music faculty will present a discussion and performance of Beethoven's 33 Variations on a Waltz by Diabelli, Opus 120, at 3:30 p.m. Sunday, Feb. 17, in Schwab Auditorium.

Dr. Carr and Mr. Battersby will open the program with a lecture and discussion, illustrated with slides of sketches and the autographed manuscript, on "The Motivic Process in Beethoven's Opus 120: The Origin of the Theme and Its Structure."

Following an intermission, Mr. Battersby will perform the Variations.

A music theorist, Dr. Carr participated last summer in a National Endowment for the Humanities Seminar on Performance Practice in the Music of Beethoven held at the University of North Carolina at Chapel Hill. The results of her research comprise the first section of the Feb. 17 program.

Mr. Battersby, an honors graduate of the Juilliard School of Music where he was a student of Sascha Gordanitzki, made his debut last season at New York's Alice Tully Hall.

He has toured throughout the United States, Great Britain, Europe and Africa, and was pianist-in-residence last August at the White Mountains Festival in Jefferson, N.H.

Chambers Gallery showing paintings, glass blowings

A group of paintings by art instructor Robert Andriulli and glass blowings by students are on display at the Chambers Gallery through Feb. 20.

Mr. Andriulli, director of the Zoller Gallery, received his M.F.A. in painting from Penn State in 1978 and his B.A. at the William Peterson College of New Jersey in 1975.

The Burke/Hartwick Glass Invitational features both sculptures and functional pieces in blown glass, stained glass and plexiglass. The show is a preliminary to the National Glass Conference, which will be held April 10-12 at Penn State. The conference will feature demonstrations

and displays by artists from across the country.

Penn State is one of the few universities in the country to offer glass blowing as part of its curriculum. The program was developed by the Art Department in the early 1970s, and in 1978 the students organized the annual Burke/Hartwick Invitational to display their work.

Some tickets remain for URTC Ibsen production

The Penn State University Resident Theatre Company is continuing its run of Henrik Ibsen's *An Enemy of the People*, a drama portraying the dilemma of a man who must tell the truth to a town of people unwilling to listen. Tickets are still available, but are in limited supply. To order, call 865-1854 for reservations.



Photo by Marc Levey in Kern Commons "Perspectives" show.

News in Brief

UDIS offers seminar on instructional evaluation forms

The University Division of Instructional Services (UDIS) is sponsoring a two-hour seminar on the design and use of instructional evaluation forms. It will be conducted by Dr. Maurice W. Villano, coordinator of instructional evaluation, at 1:30 p.m. on Thursday, March 6, in Room 128 Mitchell Building.

The standard Instruction Evaluation Form (IEF) will be used as a model. Specific topics to be covered include background and development of the IEF, administration and processing, interpretation of norms and results, relationship to classroom variables, and techniques for diagnostic use in improving courses and evaluating teaching.

A discussion and question period will follow the presentation. Participants will receive a bibliography of literature relating to instructional evaluation and a catalog of sample statements that may be used as optional extra items on the IEF or in custom-made instruments.

The seminar is limited to 35 participants on a first-come basis. For reservations or additional information, please call the Office of the Director, UDIS, at 865-7675.

Criminology authority to speak

Sir Leon Radzinowicz, an international authority on criminology, will give a public talk on "Administering Justice and Rethinking Sentencing Policy" at 2 p.m. Friday, Feb. 15, in Room 112 Kern Graduate Building.

Currently visiting the University, Sir Leon is participating in faculty and graduate seminars and presenting several classroom lectures. His visit is being co-sponsored by the College of the Liberal Arts and the College of Human Development.

A native of Poland, Sir Leon was educated at the universities of Cracow, Geneva, Paris and Rome. He immigrated to England in 1937 and began a long association with Cambridge University. He became the first director of the Institute of Criminology and was chief editor of the Cambridge Studies in Criminology, which has produced 40 volumes.

His books include *Ideology and Crime*, *In Search of Criminology*,

The Growth of Crime (with Joan King) and the four-volume *History of the English Criminal Law and Administration*. Currently, Sir Leon is working on the fifth volume of that history.

Student Master Research Tape file now available for access

Academic units responsible for undergraduate resident instruction now have access to a file on computer tape containing undergraduate student admissions, biographic, current enrollment, and transcript information.

The file is called SMART (Student Master Research Tape) and was developed by the staff in the Office of Undergraduate Studies Research Support specifically for supporting research and statistical reporting. Development and access to the file is funded in part by the Office of the Vice President for Undergraduate Studies.

According to Edmond Marks, director of Undergraduate Studies Research Support, the file can be quite useful in resident instruction functions such as advising and degree audit. Some programming support is needed to access the file, although a number of computer procedures have already been written and are available.

Requests for a copy of the SMART should be directed through a college dean or campus director to Director, Undergraduate Studies Research Support, Room 307 Grange Building, University Park.

SAS short course offered

Members of the SAS Users Group at Penn State are teaching an introductory short course in the Statistical Analysis System (SAS) from 2:30 to 4:30 p.m. in Room 306 Bouke Building for three days beginning Tuesday, Feb. 26.

SAS is a commercial package of computer programs for statistical analysis and data base management. The course, which is open to faculty and staff members and graduate students, has no prerequisites, although knowing how to submit jobs to the Computation Center would be helpful.

Advance registration is required. Further information is available from Sharon Stover at 865-6583.

Chang to discuss China trip

Dr. Parris H. Chang, professor of political science, who recently returned from a trip to the People's Republic of China, will give a talk entitled "China Revisited" at 7 p.m. Monday, Feb. 18, in Room 101 Kern Building. Sponsored by the East Asia Studies Committee of the College of the Liberal Arts, the talk is free to the public.

Detour Ahead

Maintenance work on Fraser Road is scheduled for Feb. 25-29, making it necessary for motorists to detour around a ditch in the road between Pattee Library and Thompson Science Hall.

The short detour will route traffic through part of the "Green E" parking lot behind Thompson Hall and back onto Fraser Road again.

University leads nation in associate engineering degrees

Penn State's associate engineering technology program led the nation for the ninth straight year in the number of degrees conferred, according to a survey by the Engineering Joint Council. Penn State conferred 716 associate technology degrees in 1979.

The two-year associate degree programs in engineering technology prepare graduates for positions in product design and operations and for air pollution control, as well as for such fields as steel, chemical, electrical, highway, mechanical, nuclear and surveying technology. Three new programs were added this year — solar heating, railway, and telecommunications technology.

Students are trained to combine the knowledge and work of both the engineer and the craftsman. "In fact," says Ernest Weidhaas, assistant dean for Commonwealth Campuses, "the technician today is assuming many tasks formerly assigned to graduate engineers, and the demand for well-qualified engineering technicians far outstrips the supply."

Penn State's Capitol Campus confers the second highest number of baccalaureate engineering technology degrees in the nation. Capitol conferred 224 such degrees in 1979.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1357 (network line 473, 1357). Applications for these staff vacancies will be accepted until 5 p.m., Feb. 21, 1980. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-21) in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ACCOUNTING AND CONTRACTS SPECIALIST, APPLIED RESEARCH LABORATORY, University Park. Responsible to the Manager, Accounting and Contracts, for the negotiating and administering of operating and facilities prime contracts for the Applied Research Laboratory and for coordinating daily accounting functions of the Accounting and Contracts office. Master's degree or equivalent in business administration or related field, plus one to two years of directly related experience in accounting operations and contract negotiations and administration.

COORDINATOR, CHILD LIFE PROGRAM — COLLEGE OF MEDICINE, Hershey. Responsible to the Assistant Hospital Director/Dean of Nursing Services for providing therapeutic, educational and recreational activities for pediatric patients. Also interact with patients to provide information related to age, appropriate activities and therapy within the confines of the child's physical limitations. Bachelor's degree in child development, individual and family studies or equivalency plus 1-2 years of effective experience.

APPLICATIONS PROGRAMMER/ANALYST, MANAGEMENT SERVICES, University Park. A position has been established to demonstrate the feasibility of locating systems analysis in the College to extend automation opportunities into administrative information handling activities within the College. In the first phase of this program, an Applications Programmer/Analyst is sought to work within Management Services on the Auxiliary System and to be trained in ADF, EASYTRIEVE, etc. In the second phase, this individual would move into the College of Health, Physical Education, and Recreation to become familiar with information problems of this College. In the third phase, depending upon performance, the potential exists for promotion to Systems Analyst, Dean's Office. This position is a split between the Dean's Office and the Institute for Health and Program Development. A bachelor's degree or equivalent in basic computer systems and one to two years of effective experience in computer programming and analysis is required.

JUNIOR ENGINEERING AIDE — APPLIED RESEARCH LABORATORY, University Park. Responsible to the project engineer or designated senior engineering aide for lay-out, fabrication, assembly, installation, testing, calibration, and maintenance of non-standard electronic equipment and components. Assist in collection, compilation, and analysis of test data. Associate's degree or equivalent in electrical or electronics engineering technology program, plus over three months of effective experience is required. Position may require travel on field assignments, including assignments abroad ship at sea.

SYSTEMS ANALYST — COLLEGE OF MEDICINE, Hershey. Coordinate data information for departments. Determine computer systems specifications and record layouts and develop procedures to process information by electronic data processing equipment. B.A. in accounting with knowledge of third generation programming language plus four years of data processing experience.

WORK MANAGEMENT COORDINATOR, Capitol Campus. Plan, coordinate and schedule resources for the accomplishment of work by the Physical Plant Department. Prepare material and material estimates. Prepare budget forecasts. Supervise contract work. Bachelor's degree or equivalent in engineering/management or related area plus three to four years of effective experience in managing and coordinating physical plant activities in an industrial, military or institutional establishment.

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A summary of Faculty Senate activities during 1979-80

Editor's note: The following article was prepared by Faculty Chairman George J. McMurry.

The University Faculty Senate is the sole legislative body representing the University faculty, and, as such, is authoritative on all matters pertaining to the educational interests of the University and on all educational matters that concern the faculties of more than one college, subject to the revision and orders of the President. In addition, it acts as an advisory and consultative body to the President on any matter that may affect the attainment of the educational objectives of the University. Composed of 172 elected faculty Senators, 6 ex officio members, 11 members appointed by the President, and 17 students, the Senate acts both as a collective body and through its various committees.

At the present time the Senate has 14 standing committees and various special, ad hoc, and joint faculty-administration committees. Space does not permit the detailed description of duties of these various committees and of the Senate, but they are described in the booklet, *Constitution, Bylaws, and Standing Rules of the University Faculty Senate*, and the

duties of the standing committees were briefly described in the January 25, 1979, issue of INTERCOM by last year's Senate Chairman, Lee W. Saperstein.

This report will describe the actions and activities of the Senate since the beginning of this academic year, the major issues pending for consideration by the Senate and its various committees, and the ongoing activities of the Senate. After reading this up-to-date status report, it is hoped that faculty members will inform their respective Senators or the Senate Officers about their thoughts on any of the issues indicated here and provide suggestions for other topics which should be considered by the Senate.

SENATE ACTIVITIES TO DATE THIS ACADEMIC YEAR

The Senate as a whole normally considers three types of items at its monthly meetings: legislative, informational, and forensic. The issues acted upon or discussed at monthly meetings thus far this academic year are listed below.

Legislative

The Senate has passed legislation relating to four major academic policies of the University. The first, Rule 82-40, has

had two major additions: (1) all baccalaureate degree candidates are now required to earn at least a 2.0 cumulative average in certain courses shown under the "Requirements for the Major" list for each major; (2) in addition, the faculty of a college may require that no course in that same list may be counted toward the fulfillment of the major course requirements if the student receives a grade below "C" in that course. Second, the faculty of the college may require that a student be disenrolled from that college if the student has not gained entrance to a major by the beginning of either the student's fourth, fifth, or sixth term. Third, courses taken abroad may not be taken under the Pass-Fail grading system unless the student obtains advanced authorization from the Office of Foreign Studies. Fourth, credits earned in English 1-D, English 4, Math 0 and Math 1, taken under the Basic Skills or Developmental Year Programs, shall be included in the cumulative grade-point average but shall not substitute for the minimum program requirements.

In other action the Senate has delegated the responsibility for courses taken by medical students in the medical curriculum (700-level courses) to the faculty of the

College of Medicine, subject to review by the Senate. In addition, the Senate has recommended that for associate degrees which are offered by an extended route, the academic approval should be obtained in the same manner as for regular associate degree programs except in those cases where a waiver of existing academic policy is required.

A major legislative report submitted by the Committee on Academic and Athletic Standards was considered by the Senate at its February meeting. This report concerned the function of advising and the role of advisers, and contained four specific recommendations. The recommendation that each academic unit should develop a definite advising program was rejected, largely because of a concern that it would add significantly to administrative procedures without corresponding improvement in the advising process. A second recommendation, that specific inclusion of a faculty member's advising activities should be included in his or her dossier for promotion and tenure considerations, was rejected on the basis that adequate provision already exists in current policies and procedures. Two other

(Continued on page 4)

February 21, 1980 Volume 9, Number 3

Penn State Intercom

Penn State is taking lead in library computerization

Editor's note: The following article is part of a series describing challenges and opportunities for various Penn State units in the '80s.

University libraries — even the largest of them — will have to abandon any dreams of self sufficiency in the 1980s.

"In the '50s and '60s, research librarians still thought that they could get everything they needed in one place," Libraries Dean Stuart Forth comments. "The continued growth of information has made that impossible."

The "information explosion" which began in the fifties continues unabated, according to Dean Forth.

"It isn't just books and journals," he points out, "but information in all of its forms — computer data bases, microform and microfiche, and video discs.

"The problems arising from the growth of information are compounded by the unpredictable rate of inflation. During the last ten years, librarians have seen an annual inflation rate of 15 to 20 percent in the cost of books and journals. If this situation continues, all of our universities will have great difficulty in maintaining their collections."



Dean Forth

Penn State's collection includes more than 1½ million volumes at University Park (roughly 850,000 to 900,000 titles), and about half a million at the other campuses.

"The research collection is relatively small compared to most institutions to which we compare ourselves," Dean Forth says, "but it is pretty finely honed to meet

the programmatic demands which have been made on it. We haven't gone out and bought materials with the expectation that someday a program might develop around them. What we have is heavily used."

Penn State has taken the lead in an area which will become increasingly important to libraries in the '80s — computerization.

"The major thrust of our computerized efforts will be to help us get quicker access to bibliographic information and to make our acquisitions, cataloging, and financial operations more efficient," Dean Forth explains.

University libraries across the country are busy investigating or establishing sophisticated computer-linked networks that enable member institutions to determine quickly where needed materials are stored. "This could lead easily to working out cooperative purchasing of expensive resources and sharing of collections," Dean Forth points out.

Penn State is currently exploring the possibility of joining the Research Library Group (RLG), whose members already include such institutions as Penn, Yale, Columbia, Cornell, the New York Public

(Continued on page 3)

News in Brief

Final version of 'Perspective' will be mailed soon

The final version of *A Perspective on the '80s: Agenda for Action for The Pennsylvania State University*, as approved by the Board of Trustees at its January meeting, is being ready for the printer. If production schedules are maintained, copies will be ready early in March. The University plans to mail a copy of the document to each member of the faculty and to all staff-employment personnel.

1,500 to graduate March 1

More than 1,500 graduates will receive degrees at Winter Term commencement exercises on March 1.

President Oswald will be assisted in conferring degrees by Provost Eddy and Walter Conti, of Doylestown, a member of the Board of Trustees.

Among the candidates for degrees are 1,108 seniors qualifying for baccalaureate degrees; 175 students who have completed two-year programs for associate degrees; 144 candidates for master's degrees; and 72 persons who will be awarded doctorates.

Choirs sing Berlioz 'Requiem' with Pittsburgh Orchestra

The University Choirs and the Pittsburgh Symphony Orchestra marked their 29th collaboration Feb. 7, 8 and 10 in Heinz Hall with three performances of the Berlioz Requiem.

Andre Previn conducted the work; the Choirs are directed by Raymond Brown, professor of music.

Pittsburgh Post-Gazette music critic Robert Croan called the singers "impressive."

(Continued on page 4)

Multidisciplinary Women's Studies Option available in Spring Term

A Multidisciplinary Women's Studies Option, from which students may select 21 credits to combine with a major, is available to undergraduates for the first time this spring.

The Option, which received Board of Trustee approval last November, was created in response to student interest, according to Dr. Audrey Rodgers, associate professor of English and Option co-chair with Dr. Eloise C. Snyder, professor of sociology.

In addition to LA 200, the interdisciplinary Women's Studies course developed by Dr. Snyder, 11 other courses

are being offered across the University as part of the Option, which resides officially in the College of the Liberal Arts.

"These are established permanent courses, with substantial enrollments," Dr. Rodgers points out. "Journalism 250 (Women, Minorities and Media) had about 150 students Winter Term. English 194 (A Century of Women Writers), originally offered only once every two years, is now given each term."

Among the other offerings in the multidisciplinary program are Psychology 170 and 471 (Psychology and Women), Speech Communication 445 (Gender

Roles in Communication), Anthropology 58 (The Evolution of Sexuality), Biology 341 (Biology of Sex), Physical Education 420 (Psycho-Social Dimensions of Physical Activity), Sociology 30 (Sociology of the Family), Sociology 230 (Sociology of Marriage), and Sociology 430 (Family in Cross-Cultural Perspective).

With the approval of Women's Studies advisors, students may also schedule other appropriate courses in partial fulfillment of the requirements of the Option. These may include 198 and 498 experimental courses, 296 and 496 independent study

(Continued on page 4)

Penn Staters

The Young Coal Miner and His Wife and a Few of Their Friends, a new full-length play by Stephen Grecco, associate professor of English, opened Jan. 24 at the Brooklyn Arts & Culture Association for a 12-performance run. The production, presented by BACA and the Movable Feast Acting Company, was made possible with funds from the National Endowment for the Arts, New York State Council for the Arts, New York City Department of Cultural Affairs, and Brooklyn Borough President Howard Golden.

Dr. C. Gregory Knight, professor of geography, has been appointed the editor of the *Resource Papers of the Association of American Geographers*. He is the first person outside the office of the Association to serve as editor. The papers are a monograph series on topics having to do with the undergraduate and continuing education of professional geographers.

Dr. R. V. Ramani, professor of mining engineering, was recently appointed chairman of the Committee on Underground Mine Disaster Survival and Rescue of the Commission on Sociotechnical Systems of the National Research Council. The committee is to make a one-year study that will begin with a critical evaluation of the current U.S. Bureau of Mines post-disaster survival and rescue program in the light of current technology and the present needs of the mining industry. It is then to suggest future research and development efforts in this area and also ways to foster the integration of new technology and procedures into the safety programs of the industry.

Dr. J.C. Griffiths, professor emeritus of petrology, was notified recently that he has been selected to receive the Best Paper Award for 1978 of the International Association for Mathematical Geology. His selection was made on the basis of a paper, "Mineral Resource Assessment Using the Unit Regional Value Concept," which appeared in a 1978 issue of the *Journal of Mathematical Geology*.

William Bradley, associate professor of art education, has been invited to present two lectures this month at the University of London, Institute of Education, as a distinguished visiting professor. In addition, he will lecture at The Royal College of Art at Kensington and pursue his research on the function of memory in artistic imagery.

Dr. Marshall H. Kaplan, professor of aerospace engineering, recently attended the Construction and Materials Workshop on solar power satellites (SPS). The workshop, at the National Aeronautics and Space Administration's Johnson Space Center in Houston, TX, was part of an evaluation program to assess the SPS concept from a technical, environmental, social and economic viewpoint. The workshop assessments, made by university and industry experts, will be the basis of recommendations for a five-year program, to be presented at NASA and to the U.S. Department of Energy.

An inaccurate description of the purpose of Dr. Alfred Traverser's sabbatical leave appeared in the Feb. 7 issue of INTERCOM. Dr. Traverser will spend his leave as a visiting professor of palynology at the Geological Institute of the Swiss Federal Technical Institute. He will apply techniques he developed in 1975 while doing research in the Black Sea to a series of deep cores of Swiss lakes.



Dr. M. Frank Mallette, professor of biochemistry, was honored recently for 25 years of service to the University. He joined the faculty as an associate professor in 1955 and was promoted to professor in 1959. From 1973 to 1975, he was acting head of the then-Department of Biochemistry and Biophysics and is currently director of the graduate program in biochemistry.

A specialist in metabolism, he is perhaps most widely known as a co-author of the textbook, *Basic Bacteriology*, now in its fourth edition. The text is widely used in graduate courses throughout the United States and has been translated for use in Germany, India, Japan, and Yugoslavia. In recent years, his main research interest has been in the preparation of antibiotics for use against resistant strains of disease bearing organisms and in the immunochromic of naturally occurring antigens or the study of how living things develop natural resistance to disease.

At Johns Hopkins University, where he was an assistant and associate professor from 1948 to 1955, he made fundamental observations on the nature of inducible enzymes. That work was continued at Penn State and has led to insights into mechanisms of protein synthesis by cells.

He is an elected member of the American Society of Biological Chemists and serves as a member of the Society's Graduate Training Panel. A fellow of the American Association for the Advancement of Science, he also serves on the American Chemical Society's Achievement Examination Committee.

Dr. Mallette was graduated from the Iowa State University in 1940 and earned M.S. and Ph.D. degrees in 1943 and 1945, respectively, at Columbia University.

Currently he is serving as chairman of the Faculty Senate's Committee on Planning and Development.

Dr. Stanley Weintraub, research professor of English and director of the Institute for the Arts and Humanistic Studies, has received an award from the Freedoms Foundation at Valley Forge for his book, *The London Yankees*. The book was cited as "An outstanding accomplishment in helping to achieve a better understanding of the American Way of Life."

Dr. Jan S. Prybyla, professor of economics, presented a paper, "The Chinese Economy: Current Problems and Policy Solutions," at a workshop sponsored by the Subcommittee on Research on the Chinese Economy, Joint Committee on Contemporary China, Social Science Research Council and the East Asian Institute, Columbia University, at Columbia on Feb. 15.

Dr. Paul H. Cutler, professor of physics, recently presented an invited colloquium at the Department of Physics and Atmospheric Science of Drexel University. He discussed point contact junctions and measurements of fundamental physical constants.

Dr. Edwin L. Herr, professor and head, Division of Counseling and Educational Psychology, was keynote speaker for the National Consultation on Counseling in Ottawa, Canada, Jan. 31. His topic was "Guidance and Counseling in National Policy: The U.S. Experience."

Bookshelf

Dr. Barry Voight, professor of geology, is the editor of *Rockslides and Avalanches, Part 2, Engineering Sites*, published recently by Elsevier Scientific Publishing Company, New York. Dr. Voight also edited *Rockslides and Avalanches, Part 1, Natural Phenomena*, published by Elsevier two years ago.

The two volumes are described as bringing together for the first time the full scope of geological and geotechnical studies of the major mass earth movement events of the Western Hemisphere, described in detail and interpreted by recognized authorities. The books are expected to become the standard reference works on mass movements.

Dr. Voight is also co-author of four chapters in the new work. One of his co-authors is Dr. R.L. Slingerland, assistant professor of geology at the University.

Major topics areas in the new book include slides near canals, lakes, reservoirs, and fjords; slope excavations for transportation routes; and open pit mine slopes.

William S. Pierce, facilities planning officer in the University Libraries, is the author of *Furnishing the Library Interior*, Vol. 29 of Books in Library and Information Science Series.

This is the first book to deal comprehensively with all aspects of selection, evaluation and purchasing of library furniture and equipment in an era of diminishing budgets. The information compiled is applicable to academic, public or special libraries and will help planning professionals such as architects and interior designers to become more conversant with library operations.

At Penn State, Mr. Pierce has been involved in the planning, design, construction and furnishing of 13 separate library buildings, and he has served as a consultant to such institutions as the U.S. Naval Academy, Kent State and the University of Maryland.

Staff Development

Twenty clerical employees of the University have completed a six-week Clerical Enrichment Program. The course is designed to familiarize clerical employees with University policy and organization, to identify work situation problem areas in the office, and to begin the initial stages of professional office training and preparation for career development.

Participants were:

Carol Ashcroft, accounting clerk, Housing & Food Services; Rosella Day, clerk A, Pattee; Barbara Fye, accounting clerk, Housing & Food Services; Joan Furlong, stenographer A, Engineering; Eleanor Hark, vending accounting clerk, Housing & Food Services;

Sally Horner, clerk typist B, Pattee; Lynn Jaskawak, clerk A, health insurance claims, Employee Benefits; Jenny King, secretary C, UDIS; Jana Lucas, clerk B, UDIS; Janice Ludwig, data preparation operator C, Alumni Office;

Patricia Maier, clerk receptionist A, Undergraduate Studies; Selena Meyer, clerk typist B, Business Administration; Janet Neff, clerk typist A, Pattee; Jeannette Parson, senior clerk, Pattee; Jacqueline Pillot, data preparation operator, Alumni Office;

Jean Rose, secretary B, Business Administration; S. Jane Uhrin, clerk typist A, Science; Diane Walker, clerk typist B, Pattee; Cathy Weber, clerk typist B, Continuing Education; Linda Zelenick, clerk typist B, Continuing Education.

Obituaries

W. Robert Williams, assistant director for development and planning at the Fayette Campus, died Feb. 13. He was 50 years of age and had joined the staff Sept. 17, 1973.

Edith M. Johnson, a supervisor with Housing and Food Services from 1929 until her retirement in 1951, died Feb. 7 at the age of 90.

George O. Wills, a member of the University staff from 1958 to 1968, died Feb. 12 at the age of 72. He was a clerk typist with Security and Purchasing.

George L. Fink, a janitor in the Office of Physical Plant from 1949 until his retirement in 1960, died Feb. 12 at the age of 84.

Carpoolers

The Penn State employees listed below are interested in sharing rides. Persons desiring a listing in INTERCOM should send in their names to Room 312 Old Main and include information on their residence, work location, arrival and departure times, phone numbers at home and work, and whether drivers, riders or both are sought. Nancy Taylor, Pleasant Gap (359-2963), works 8 a.m. to 4:30 p.m. at Shields Building (865-1251). Seeks riders.

Mildred B. Knudsen, Phillipsburg (342-4380), works 8 a.m. to 5 p.m. in Old Main (865-2501). Will pay to ride, share driving in carpool, or accept riders.

Peter L. Hagen, Bellefonte (355-4013), works 8 a.m. to 5 p.m. in Sparks Building (865-2545). Seeks drivers and/or passengers.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff non exempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 671387). Applications for these staff vacancies will be accepted until 5 p.m., Feb. 28, 1980. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ASSISTANT DIRECTOR FOR STUDENT AFFAIRS, Dubois Campus. Serves as Chief Student Personnel Officer and is responsible to the Directors of the Campus for the organization, administration, and coordination of the Student Affairs programs, services, staff, and personnel. Master's degree in area related to student personnel administration, plus three to five years of effective professional experience are required. Doctoral or near doctoral status preferred, but not required.

BOOKSTORE MANAGER, SHENANGO VALLEY CAMPUS. Responsible for the general operation and management of the Campus Bookstore. Responsible for procurement and merchandising of texts and related instructional materials, inventory control, financial and general retailing operations. High school graduate, plus one to two years of effective experience or two years of business school training with up to one year's effective experience.

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Calendar

Feb. 21-March 6

Special Events

Thursday, Feb. 21
Final examinations
GSA videotape, "Your Show of Shows," 1 p.m., Kern Lobby.
URTC, *An Enemy of the People*, 8 p.m., The Pavilion Theatre.

Friday, Feb. 22
Final examinations.
URTC, *An Enemy of the People*, 8 p.m., The Pavilion Theatre.

Saturday, Feb. 23
Final examinations.
Sports: fencing (women) vs. Indiana (Pa.), Johns Hopkins, St. John's and Cornell, 9 a.m.

URTC, *An Enemy of the People*, 8 p.m., The Pavilion Theatre.

Sunday, Feb. 24
Sports: fencing (women) vs. Ohio State, Johns Hopkins and St. John's, 9 a.m.
Montclair Trio, 3:30 p.m., Music Bldg. Recital Hall.

Monday, Feb. 25
Final examinations.

Tuesday, Feb. 26
SAS Users Group, introductory short course on the Statistical Analysis System, 2:30-4:30 p.m., Room 306 Boucke. By advance registration only - 865-6583. Also Feb. 27 and 29.
Residence Halls close for Winter Term, 3 p.m.

Thursday, Feb. 28
Sports: swimming (women), EIAAW Championships, through March 1.

Saturday, March 1
Winter Term Commencement, 10:30 a.m., Rec. Hall.

Sunday, March 2
Sports: fencing (men) vs. St. John's, 1 p.m.

Monday, March 3
Pattee Library faculty study space assignments for Spring Term, 7:15 a.m., Room 106
Central Pattee, 33 spaces assigned on first-come basis. 865-5420 for further information.

Tuesday, March 4
Neutron Activation Analysis workshop, 8:30 a.m.-5 p.m., Breazeale Nuclear Reactor.
Free registration, 865-6352. Also March 5.

Residence Halls open for Spring Term, 10 a.m.
GSA videotape, "Guerilla TV Looks at the Superbowl," noon, Kern Lobby.
University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

Thursday, March 6
Registration for Spring Term, 8 a.m.-5 p.m., IM Bldg.
HUB Craft Center, registration for first session

classes, noon-5 p.m., through March 15, Room 312 HUB.
GSA videotape, "Guerilla TV Looks at the Superbowl," 1 p.m., Kern Lobby.
UDIS workshop, Maurice W. Villano, coordinator of instructional evaluation, on "Design and Use of Instructional Evaluation Forms," 1:30 p.m., Room 128 Mitchell.
Reservations 865-7675.

Seminars

Thursday, Feb. 21
Computer Science, Neil Immerman, Cornell Univ., on "Length of Predicate Calculus Formulas as a New Complexity Measure," 4 p.m., Room 325 Whitmore (new listing).

Friday, Feb. 22
Statistics, Robert Serfling, North Carolina Univ., on "The Poisson Approximation: Recent Developments and New Applications," 4 p.m., Room 160 Willard.

Tuesday, Feb. 25
Applied Research Laboratory, G.H. Hoffman, aerospace engineering, on "The Methodology of Hydrodynamic Body Design," 10:45 a.m., Walker Conference Room, Applied Science Bldg.

Friday, Feb. 29
Microbiology, Cell Biology, Biochemistry and Biophysics, Dale Hoskins, Oregon Regional Primate Research Center, on "Initiation of Sperm Motility in the Mammalian Epididymus," 12:30 p.m., Room 617 Mueller.

Exhibits

Kern Commons: Shirley Siegenthaler, ceramics, through Feb. 22. Steven Ang, glass and clay sculpture; Jerry Sawyer, Marc Levey, Carol Lindsay and Rick Hoover, photographs, through Feb. 29.

Museum of Art: Sculpture from the permanent collection, through Feb. 24; Pennsylvania prints from the collection of John C. O'Connor and Ralph M. Yeager; Chinese export porcelains from the collection of Dr. and Mrs. Harold L. Tonkin, opens Feb. 24.

Pattee Library: Marie March, watercolors, Lending Services Library. Patrice Drew, Nancy Jenner and Stoyan Popovich, bachelor of fine arts candidates, "The Last Hanging: A Non-Invitational Print Show," East Corridor Gallery. "The Marvelous Travels of Baron Munchausen," from the Allison-Shelly Collection, Rare Books Room.

Robeson Cultural Center: Malkia Roberts, paintings, "Colorpoems/Connections," through Feb. 23.

Visual Arts Zoller Gallery: Undergraduate Students exhibit, opens Feb. 24.

autonomy will be something which we will be trying to work out in the next four or five years."

The Libraries are also working on their own research and development program to apply computer technology to their operations.

"Computers can generate important management data," Dean Forth notes. "When we talk about management data, it tends to turn faculty members off, but it can help us, for example, to improve the efficiency of our acquisitions program. At the present time, Pattee's annual circulation rate is some 700,000 to 800,000 transactions. We need to identify the areas of the collection that are heavily used and those that are hardly used at all. What do undergraduates demand as opposed to graduate students? We have no way of getting this information now because we simply can't go through all those transactions manually."

Dean Forth is aware that not all faculty members regard library computerization as an unenviable blessing. He says: "In the '80s, one of the problems librarians will have to deal with is the perception on the part of faculty members of what a library is and what it should do.



U.S. Ship of the Line Pennsylvania — Lithographed and published by Nathaniel Currier.

The pick of the Tavern Collection

When the Tavern Restaurant in State College changed hands early in January, it was reported that about half the purchase price went for the restaurant's collection of prints.

Eighty-one of them, dating from 1757 to 1902, are currently on display in the Museum of Art, and gallery-goers will have a chance to view them through March 30.

Selected from the private collection of Tavern founders Penn State alumni Ralph M. Yeager '42 and John C. O'Connor '38, the exhibit features an abundance of historic "town views" of such communities as Bethlehem, Bellefonte, California, Ephrata, Harrisburg, Huntingdon, New Brighton and Pittsburgh, among others. But there are scenes depicting historical events, prominent men, disasters, natural settings and assorted ephemera as well. Most of the items are lithographs, though there are several watercolors, engravings and aquatints.

The exhibit is a sampling of what is considered to be the best collection of Pennsylvania prints extant. Harold E. Dickinson, emeritus professor of art, and Walter J. Lord, associate professor of art, chose the 61 prints after examining the entire collection.

The impetus for the exhibit, however, came from William Hull, director of the Museum of Art. When he originally came to Penn State, Mr. Hull at his first meal at The Tavern, noticing immediately "that someone loved and cared for these colorful nineteenth-century vignettes from

Pennsylvania's history." The notion of exhibiting the prints at the Museum resulted on subsequent visits.

Since opening The Tavern in 1948, Messrs. Yeager and O'Connor have amassed more than 300 engravings, lithographs, watercolors and aquatints from 1757-1902, and have also garnered more than 200 other prints and old photographs, many Penn State-related.

Their avocation has brought them national recognition as experts on American printmaking and lithography. Curators from the Library of Congress often consult with them and have borrowed for reprinting purposes Tavern prints of Altoona, Watsonstown and 14 other Commonwealth communities missing from the national collection.

"Pennsylvania is well represented in the work of the great lithographers," the two collectors point out. "Its importance in industry, history, scenery and natural beauty made it an ideal subject. Many of the printmakers worked in Philadelphia, but Pennsylvania was not neglected by those who were based in New York, Boston, Pittsburgh, Baltimore, Cincinnati, and Chicago. There is hardly a community of moderate or even small size that was not a subject of a lithographic print in the nineteenth century. Some of the older towns (Reading, Lancaster, and Bethlehem) were the subject of a dozen different views during that period. Prints of the city of Philadelphia alone are so numerous and were produced by so many different firms that they merit a study of their own."

from around the country is that these things can be done."

While other members of the Council of Academic Deans are keeping a wary eye on admissions, Dean Forth has different concerns.

"However many students Penn State gets, we have a reasonably good idea of the type and quality of service expected from us, and that won't change," he says. "That's also true when we talk about graduate programs and faculty members. Graduate students are our heaviest users. It doesn't matter whether there are ten graduate students or 40 in a plant pathology program; they will need the same number of journals and monographs. Three faculty members doing research in a basic field need the same resources as ten. Declining enrollments will not affect that."

What the Libraries' faculty members are worried about in the next decade is space — for the collection and its users. Dean Forth explains:

"We have seen no real evidence of a sudden dramatic fall-off in book and journal production. Although the rate of acquisition of hard copy materials — books and journals — will slow somewhat in the '80s, it won't be enough to prevent us from

(Continued on page 4)

Libraries

(Continued from page 1)

Library, Brown, Rutgers, Johns Hopkins and others. RLG is developing a sophisticated research library information network directed toward computer-to-computer linking.

Joining an information network does pose certain problems since it may require a university to sacrifice some of its autonomy. The Research Libraries Information Network is owned jointly by its members, who, therefore, determine its policies. By contrast, the Ohio College Library Center is a bibliographic utility to which libraries subscribe and over whose price structure they have no control — rather like West Penn Power.

"Penn State's Libraries cannot operate in a vacuum," Dean Forth points out. "We are influenced by what is happening to research libraries all over the country, and unless we participate in the activities of the majority — and particularly those of the flagship institutions — we will be left so far behind that it will have a serious impact on our future teaching and research efforts.

"To what degree and in what way we can participate without losing too much

News in Brief

(Continued from page 1)

INTERACT workshop offered

The Computation Center will offer a three-day workshop on the INTERACT editor on Wednesday, Thursday and Friday, Feb. 27, 28 and 29, in Room 108 Forum Building.

There will be morning (9:30 a.m.) and afternoon (1:30 p.m.) sessions on all three days. The Wednesday morning period will be introductory, requiring no previous experience or knowledge. Topics will include advanced use of the editor, data set (file) management, remote job processing, and execute files.

In order to use the editor, participants must be "joined" to the system with a resource (U, P, B) or instruction preparation (C) account.

Participants must be registered for this workshop. Registration may be made immediately in Room 229 Computer Building. A \$5 workshop fee should be paid in advance for each registrant (payable by cash, check or interdepartmental transfer).

For further information, contact Lisa Jodon, 863-0422.

March 4-5 workshop on Neutron Activation Analysis

A two-day workshop on the use of Neutron Activation Analysis will be conducted Tuesday and Wednesday, March 4 and 5, at the Breazeale Nuclear Reactor Facility.

The workshop is open to members of the faculty, staff and student body wishing to learn more about this highly sensitive technique for trace element identification and quantification.

The workshop will consist of one day of lectures and one day of laboratory experiments.

There is no charge for the workshop, but those who are interested in attending should contact Dale C. Rauch at 865-6352.

Montclair group to perform

The Montclair Trio will perform three works at 3:30 p.m. on Sunday, Feb. 24, in the Music Building Recital Hall.

Founded in 1978, the trio is composed of three members of the Montclair State College Music Department — Curtis Macomber, violinist; Chaim Zemach, cellist; and Edmund Battersby, pianist.

The program includes Mozart's Trio in E Major, K. 542; Shostakovich's Trio in E minor, op. 67; and Mendelssohn's Trio in C minor, op. 66.

Libraries

(Continued from page 3)

Continuously filling up the available space at University Park, as well as at some of our other campuses. We may have to look at the creation of a storage building on the periphery of the campus, the establishment of another separate divisional library along the lines of physical sciences, or, ideally, an addition to Pattee.

Accommodating students is another problem as increasing numbers try to use the libraries as study halls.

"We have 1,900 seats in Pattee and a student body of 35,000," Dean Forth says. "At the branch libraries, space is also minimal, and as the collections grow, they take a space away from the students, making the library more difficult to use." At the campuses, Wilkes-Barre, Shenango Valley and Schuylkill desperately need new buildings, as do Behrend and Capitol.

Among other concerns for librarians in the '80s, Dean Forth foresees:

— Program changes based on the new copyright law limiting the reproduction of materials, a matter of particular concern to Penn State with its dispersed campuses. "Although Behrend, Radnor and Capitol have some research collections," Dean Forth notes, "we see no change in the stance that University Park and Hershey are the University's principal research centers, and we will not develop research

collections at the campuses. We are, however, constantly trying to develop more sensitive methods to share research resources with the campuses. One of the major problems is delivery — the mails are slow, and United Parcel is not uniformly reliable on all routes."

— Charging for the use of resources. At present, the University is what is called a gross net lender, which means that it loans about three times as many books and journals as it borrows. Most of these materials go to smaller colleges in Pennsylvania, with whom the University feels a responsibility to share its resources without charge. "Probably in the '80s," Dean Forth says, "we will move toward charging for the use of our resources by business and educational institutions outside Pennsylvania. Right now, if we want to borrow from either Rutgers or Princeton, they charge a set fee."

— Acquisitions policy. Dean Forth suggests that the Libraries may return to an earlier style of operation and lay more work on the collegiate faculty, buying only on demand. "At present," he explains, "between 70 and 75 percent of our book selection is done by faculty members working closely with teaching faculty members. It certainly behooves us to try to develop more sophisticated indicators of what is really needed as opposed to what would be nice to have."

And he concludes:

"Most people wouldn't use the word exciting to describe libraries, but I find this one of the most exciting phases of my career. Major changes are happening in libraries, and particularly here at Penn State."

"We are the only University library I know of developing a totally integrated computerized system. Most institutions have done this only in one or another of their departments. We find we are getting many excellent applicants for vacancies because people in the field are aware of what is going on here in terms of grappling with the future and are eager to be part of it."

Women's Studies

(Continued from page 1)

and 297 and 497 special and common topics. Courses currently offered in the "97" series are French Women Writers, Women and Minorities in the Labor Movement, Women and World Literature, and Religion and Current Social Issues.

Both Dr. Rodgers and Dr. Snyder stress the importance of the research component of the Women's Studies Option. "Our aim is to develop a body of knowledge about women and institutionalize that knowledge within the University community," they point out. "Women's Studies is not designed to segregate knowledge about women, nor to isolate them; rather Women's Studies is extended to add women's perspectives and accomplishments to scholarly study and thereby increase the accuracy and thoroughness of such study."

Noting that "women's perspectives" are often disregarded in scholarly research, Dr. Rodgers says that the new Option can help acquaint both men and women with the depth and breadth of female contributions to society — in the sciences, social sciences, humanities, professions, sports and labor.

"We hope to develop a sense of pride in both female and male students in the accomplishment of women, past and present," she adds.

"Penn State has come late to the development of a women's studies program," Dr. Snyder points out. "Such programs are already firmly established at many of our leading research universities."

As an academic discipline, Women's Studies can credit its origins, in part, to Penn State, according to Dr. Rodgers. It was at University Park that the distinguished sociologist Jessie Bernard, now professor emerita of sociology, researched and wrote her book, *Academic Women*. This work is now considered a milestone in the contemporary study of women and the various cultural and institutional pressures which they face.

Senate

(Continued from page 1)

recommendations were returned to committee. The first was a recommendation that the advising role be identified as consultative rather than authoritative in nature. Although the Senate generally indicated approval of this concept, it was felt that passage of this recommendation at this time would result in conflict with various other existing rules. The Senate then asked the committee to coordinate this recommendation with revision of the existing rules.

Informational

The Senate has received five major informational reports during this academic year. The Committee on Undergraduate Instruction presented a report on the distribution of grades throughout the University. The report included a comparison of grades for the past two years, a summary of Continuing Education and Resident Instruction grades, and the distribution by college and location. The Committee on Extended Degrees presented a report which described the policies and procedures governing Extended Degree Program Proposal and Review. The Committee on Faculty Affairs considered the question of whether a faculty member on a sabbatical or leave of absence without pay should be allowed to participate in promotion and tenure decisions. It was the conclusion of the Committee, as reported to the Senate, that this was a matter best decided by each individual academic unit. In other oral informational reports, the Senate heard presentations by the Director of the Foreign Studies Program and the Dean of Admissions.

Forensic

A major forensic session was conducted

during the November meeting. The Senate reviewed and offered suggestions regarding the first draft of the document, *Perspective on the '80s*. The extended discussion was generally constructive and offered many positive suggestions to the Steering Committee for consideration in the revision of the document.

ISSUES CURRENTLY UNDER SENATE CONSIDERATION

Major

The Senate will receive shortly a major report by the Committee on Basic Skills which will contain legislative recommendations regarding the continuation of the Basic Skills Program in the University.

The Joint Faculty Administrative Commission on Review of Promotion and Tenure Policies has recently submitted its report to the President and the Senate.

There are 11 specific recommendations; and the Committee on Faculty Affairs, with appropriate administrative liaison, will be considering these recommendations for possible Senate legislation.

In response to a report provided by the Joint Committee to Review Governance, the Senate eliminated one meeting this year and is currently examining its committee structure in order to improve effectiveness and responsiveness and also to optimize faculty time and loads. Also in response to this report on governance, the Senate is considering a recommendation for limiting terms of department heads and other administrative officers and examining possible policy and procedural changes for delegation of authority for non-credit and associate degree programs.

The Senate is providing faculty participants for an administrative review of the use of the Summer Term and expects to be involved in the consideration of possible changes in the academic calendar

after the current calendar is completed in 1983.

In other matters, the Senate will be providing advice regarding admission policies, need for and use of information systems, and the forthcoming integration of the Commonwealth Campuses and Continuing Education.

Summary of Issues by Committees

A brief listing of issues currently under study by the various standing committees of the Senate is provided below.

Academic and Athletic Standards — Modification of the deferred grade process; eligibility, redshirting, closed practices.

Admissions, Records, and Scheduling — Early admissions programs; credit by transfer and fractional credit transfer.

Continuing Education — Questionnaire survey results; merger of Continuing Education and the Commonwealth Campuses.

Committees and Rules — Senate committee structure.

Curricular Affairs — Use of 800-level courses at Penn State and other universities; use of common course numbers; program review results; curriculum development, course master file, zero credit courses; BDR III implementation.

Extended Degrees — Status and focus of extended degrees at Penn State.

External Affairs — Meeting with Pennsylvania legislators.

Faculty Affairs — Salary differentials between UP and Commonwealth Campus faculty; possible effects of retirement at 70 and early retirement policies; sabbatical leave policy.

Intra-University Relations Committee — Delegation of authority for non-credit and associate degree programs.

Libraries — Status report on space, inflation, and computers in the Libraries.

Planning and Development — Use of year-end monies; budget process; net cost Budget Center concept; possible time limit on administrative officers; criteria for program evaluation.

Research — Climate and indices of performance for research; interdisciplinary research; research and scholarly activities at the Commonwealth Campuses.

Student Affairs, Awards, and Scholarships — Scholarship awards report.

Undergraduate Instruction — Use of graduate student teaching assistants; proposed University Testing Center; procedures for establishment, reorganization, and/or discontinuation of units; review of dean's list and graduation with honors; University Scholars Program.

Continuing Activities of the Senate

In addition to developing legislation and informational reports on issues such as those described above, the Senate performs many continuous functions which are not generally reported in public forums. For example, the Chairman-Elect of the Senate serves as a member of the Administrative Council on Undergraduate Instruction; the Senate Committee on Undergraduate Instruction reviews and approves all special retention and transfer requirements for various academic programs; student petitions for exceptions to Senate and University policies require Senate review and approval; special admissions programs are reviewed, monitored, and approved; recipients of University scholarships and awards are selected by special subcommittees; all curricular offerings are monitored, reviewed, and approved by the Senate; and finally, the officers serve as members of the Faculty Advisory Committee to the President and as faculty representatives to the Board of Trustees.

Penn State Intercom

News in Brief

New office and telephone form

The Office Address and Telephone Information Form (Form G22.1), used to make changes on University Records, has been redesigned, and the routing of the form has been changed. Departments are asked to make certain that they are using the NEW form, dated 10/79, which directs BOTH copies to the Payroll Department.

Supplies of the new form are available from Systems and Procedures in Room 308 Shields Building, phone 865-9568.

The change was instituted to facilitate inter-office mailing of deposit slips and check stubs to employees who have their paychecks deposited directly in their banks. These employees receive deposit slips and check stubs at their place of work on the same day that they would normally have received their checks.

Persons wishing to take advantage of the direct deposit method of being paid should contact their Personnel Representatives or Supervisors.

INTERACT sessions offered

The Computation Center will conduct a series of weekly INTERACT demonstrations and question-and-answer sessions. These sessions will be held during fourth periods (12:45-2 p.m.) in Room 110 Computer Building, starting on the first Thursday of the Spring Term (March 13) and continuing for the duration of the term. Because of the limited room space, it will be necessary to limit each session to 20 persons. Registration for any session may be made through Lisa Jodon, 863-0422.

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Carnegie recommendations old news to Penn State

The aptness of Penn State's response to the challenges of the 1980s, as put forward in *A Perspective on the '80s*, received striking confirmation with the publication in January of the final report of the Carnegie Council on Policy Studies in Higher Education.

The Council and its predecessor, the Carnegie Commission on Higher Education, chaired by Clark Kerr, former president of the University of California, sponsored a total of 137 reports on higher education between 1967 and 1980. Its latest — "Three Thousand Futures: The Next 20 Years for Higher Education" — offers a set of "imperatives" for colleges and universities to follow.

Readers of *A Perspective on the '80s* will be pardoned for a sense of déjà vu. They are already acquainted with the "imperatives" which follow:

- Analyze all factors likely to affect future enrollments.
- Insist on institution-wide or system-wide planning.
- Encourage strong leadership by chief executive officer.
- Intensify recruitment efforts and reduce attrition.
- Give high priority to maintenance of quality.
- Encourage innovation and flexibility.
- Strive for most effective use of resources.
- Seek support from private sources of funds.



State Senator J. Doyle Corman Jr. of Bellefonte (left) and Representative Gregg L. Cunningham of State College presented the Legislature's resolutions to President Oswald.

White House, Legislature hail PSU's 125th

President Jimmy Carter and both Houses of the Pennsylvania Legislature sent congratulations to Penn State as the University marked the 125th anniversary of its chartering on Feb. 22.

In a telegram to President Oswald, Mr. Carter said:

"From its beginnings as one of the first land-grant colleges to its present leadership role in the fields of agriculture, science, arts, education and research, your institution has enriched the lives of millions of Americans.

"Many of your alumni have made outstanding contributions to our nation. Some have become acclaimed leaders in industry, science, education and government; others have worked with less public recognition for the good of their communities and country. But all share fond memories of their years at Penn State."

Mr. Carter added that the recent establishment of a cabinet-level Department of Education in Washington "will enable the federal government to move more efficiently and effectively toward our mutual goal of providing quality education for all Americans."

"I know," he concluded, "that The Pennsylvania State University will continue to do its part in this regard and that the traditions which have marked your previous success will also characterize your new decades of service to our society."

Dr. Oswald said he was pleased that Mr. Carter's message touched upon several of

the many different fields in which Penn State's graduates have made contributions to their communities, to Pennsylvania and to the nation.

"As we look back on the achievements of the past, we at Penn State also are looking forward to the challenges of the future," Dr. Oswald added. "We will continue to provide the leaders in industry, science, education and government that our country so desperately needs."

The House and Senate passed resolutions commending the University for "the great honors and achievements it has brought to Pennsylvania and the outstanding services provided to the People of the Commonwealth."

"We at Penn State appreciate these fine expressions of support from our Legislators," Dr. Oswald said. "In the future, we will do all that we can to continue to provide the high quality of instruction, research and service that the people of Pennsylvania have come to expect from the University."

The resolutions, noting that Penn State's 22 campuses enroll more than 55,000 full-time students, call the University "one of Pennsylvania's most valuable resources."

"Each year," they point out, "more than 130,000 Pennsylvanians from every county are reached personally and professionally through the University's Continuing Education programs, and millions of others benefit through Cooperative Extension Programs

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Nominations sought for three awards

President Oswald has appointed a general committee chaired by Richard E. Grubb to coordinate the solicitation of nominations for three all-University awards — the McKay Donkin Award, the John E. Wilkinson Award for Administrative Excellence, and the Barash Award for Human Service.

As in previous years, three subcommittees will screen nominations and develop recommendations for the respective awards. Members of the Wilkinson Award Subcommittee are Rosemary Schaefer, chairperson; Steve A. Garban; and Doris M. Seward. Members of the Donkin Award Subcommittee are Ray T. Fortunato, chairperson; Eugene J. Kelley; and Edward H. Klevans. Members of the Barash Award Subcommittee are Henry Yeagley, chairperson; Martha Adams; Jay Claster; James R. Palmer; Michael Richardson; and Carol J. Mattis.

Nominations for the 1980 awards are encouraged from either organizations or individuals in both the University and community and are to be sent to Dr. Grubb, Room 203C Old Main, no later than March 31. The supporting information which accompanies nominations should be as brief as possible and must emphasize those qualifications and activities relevant to the particular award for which the individual is being nominated.

A brief description of the qualifications for each award follows:

The McKay Donkin Award

The McKay Donkin Award was established in 1969 in honor of the late McKay Donkin who served as Vice President for Finance and Treasurer of the University from 1957 to 1968. The award, which consists of a \$500 stipend and a certificate, is presented to the full-time member of the faculty or staff or the retiree who has contributed most to the "economic, physical, mental, or social welfare of the faculty" of the University. The contribution of the nominee should be for duties or services which are above and beyond his or her regularly assigned duties. Previous recipients are William G. Mather, Ernest B. McCoy, Samuel C. Blazer, Eugene Wettstone, Kenneth L. Holderman, Patricia Farrell, Lawrence Perez, Michael R. Lynch, Margaret B. Matson, and Karl G. Stoeckel.

The John E. Wilkinson Award for Administrative Excellence

The John E. Wilkinson Award for Administrative Excellence was established in 1970 by friends of Mr. Wilkinson, a lifelong Centre County businessman. The award, which carries a stipend of \$500, is made annually to a member of the staff of the University whose performance methods and achievements exemplify administrative excellence. Previous recipients are Paul M. Althouse, John B. Pezzoni, Kenneth L. Holderman, Eleanor Ferguson, Harry D. Zook, Russell E. Larson, Wayne D. Lammie, David E. Stormer, and Billy R. Baumgard.

The Barash Award for Human Service

The Barash Award for Human Service was created in 1975 by the family of the late Sy

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Penn Staters

Fourteen faculty members have been awarded research fellowships for Summer/Fall 1980 by the Institute for the Arts and Humanistic Studies. They are:

Dr. Eugene Borza, associate professor of history, to complete a history of the ancient Macedonians;

Dr. J. David Boyle, professor of music education, for travel to the 8th International Research Seminar in Eisenach, Germany, to present a paper describing his research on pitch discrimination;

Dr. Maureen Carr, professor and director, School of Music, for research to complete identification of the disputed Beethoven "Diabelli Variations" manuscript;

Dr. Roger Cornish, associate professor of theatre arts, for study of the impact of Comprehensive Employment and Training Act funding on theatre organizations, involving case studies of two theatres in the Philadelphia area;

Dr. Diana Hume George, assistant professor of English at Behrend College, to continue research on a study of Woman as structural metaphor in the poetry and art of William Blake;

Dr. Linda Itzoe, assistant professor of English at York, for study in England of the manuscripts of Arthur Wilson's plays and autobiography;

Dr. Henry Johnstone, professor of philosophy, to prepare a book-length study of Pankoin as a rhetorical figure in Greek tragedy;

Philip Klass, professor of English, to complete research on a book, "Innocents in Time: Mark Twain and Other Travelers"; Dr. Robert Lima, professor of Spanish and comparative literature, to do research in Spain for a biographical-critical study, "Ramon Del Valle-Inclan: the Theatre of His Life";

Dr. Joseph Marchesani, assistant professor of English at Hazleton, to study the career of Horace Gold, the founding editor of the pioneering science fiction magazine, *Galaxy*;

Dr. John McNavage, assistant professor of English at New Kensington, to continue research on a multi-media project, "The Seasons in the Allegheny National Forest";

E. Lynn Miller, associate professor of landscape architecture, to study the influence of Prince Puckler of Saxony during the last century on the urban park in America;

Dr. Melvin Seesholtz, assistant professor of English at DuBois, to do research in the British Library in London on the manuscripts of James Joyce's *Finnegans Wake*;

Dr. Judith Van Herik, assistant professor of religious studies, to continue work on a book on the relationships between psychology and religion in the United States since 1890.

Doruk Pamir, associate professor of architecture, has been selected to design the Islamic Center of Vocational Training and Research in Dacca, Bangladesh. The new center, to be located on 40 acres of land 19 miles north of Dacca, will include administrative buildings, an auditorium, classrooms, lecture halls and labs, a mosque, cafeteria, libraries, student housing and sports facilities.

Professor Pamir holds degrees from the Middle East Technical University, Massachusetts Institute of Technology and Harvard University and has taught at the Middle East Technical University.

The recipient of a UNESCO special fellowship in 1960-61 and a Harvard University Graduate School of Design scholarship in 1962, Mr. Pamir has been awarded prizes by Ankara College and the Middle East Technical University, as well as receiving professional awards for architectural design, graphic design and planning and urban design for projects in Turkey and throughout the Middle East.

Dr. Jeffrey S. Lannin, assistant professor of physics, presented invited seminars at the Massachusetts Institute of Technology and Harvard University. At the MIT physics department he discussed Raman scattering as a probe of disordered condensed matter and at Harvard's applied physics department he spoke on recent Raman studies in amorphous solids.

Dr. Anthony Cutler, professor of art history, has been appointed to the editorial board of *The Dumbarton Oaks Dictionary of Byzantium* published by the Harvard University Press.

Dr. Arthur H. Patterson, associate professor of environment and behavior, appeared as a guest on NBC-TV's Today show on Feb. 21 to discuss the results of a recently completed study on how crime and the fear of crime affect the leisure activities of the elderly. Project director for the study was Dr. Geoffrey C. Godbey, professor of recreation and parks. Dr. Patterson and Laura Brown, a research associate, were co-authors.

Wood sculpture by Stephen Porter, associate professor of art, is on display at the Alumni Art Gallery of Mansfield State College March 4-28. Mr. Porter has had numerous one-man exhibitions in New York galleries, and his works are included in the permanent collections of the Herbert F. Johnson Museum of Art at Cornell University and the Museum of Art at Penn State.

Dr. Paul L. Michael, professor of environmental acoustics, has been awarded "fellowship" by the American Speech-Language-Hearing Association, an honor accorded to fewer than 2 percent of the ASHA membership.

Promotions

Faculty

John R. Ousey Jr. to assistant professor of environmental sciences at Delaware County.

Staff Exempt

Lori Benacchi to operations supervisor in Intercollegiate Research Programs.

Phyllis F. Miller to assistant hospital director/director of nursing services at Hershey.

Guy J. Mussey to foreman, grounds maintenance (horticulture) in Physical Plant.

Staff Non-Exempt

Mary M. Nevengskoy to nutrition aide supervisor in Agriculture.

Clerical

Iris Caccarelli to control clerk B in Management Services.

Sharon E. Dailey to secretary B in Engineering.

John W. Dixon to secretary B in Management Services.

Kim A. Frankenberger to secretary C in Human Development.

Sally A. Horner to clerk stenographer A in Controller's Office.

Jayne B. Jasinski to patient unit secretary at Hershey.

Marie Joan Kahler to clerk typist A at Schuylkill.

Karen J. Packer to secretary C in Agriculture.

Marsha M. Sauer to secretary B in Continuing Education at Hershey.

Orma S. Shugarts to conference secretary in Continuing Education.

Technical Service

Joseph Doren to maintenance worker equipment repair in Physical Plant.

Erma B. Dove to laboratory attendant at Hershey.

Charles A. Robson Jr. to utilities equipment operator B at Hershey.

John E. Stevens to maintenance worker utility at Ogontz.

James C. Stine to stock clerk-truck driver in Housing and Food Services.

David L. Walker to plumbing and piping maintenance worker in Physical Plant.

From the Press

A Pennsylvania Album: Picture Postcards, 1900-1930. By George Miller. 160 pages. \$18.75, cloth; \$10.95, paperback.

All illustrations in this book are taken from postcards, providing a photographic record of everyday life in Pennsylvania during the first three decades of this century.

It was an era when anyone could "publish" a postcard, by supplying the printer with a photograph and agreeing to buy a minimum number of finished cards. Postcards proliferated for every occasion, featuring subjects more prosaic than their modern-day counterparts: houses, neighborhoods, buildings, trains, trolleys, major streets, and people caught by the photographer within these contexts.

"In a time when newspapers, especially small-town newspapers, carried few if any photographs," the author writes, "the penny postcard offered an incredibly inexpensive and convenient way to capture events. Whenever America paraded or celebrated anything, the postcard photographer was there. When buildings burned or rivers flooded, when prohibitionists or suffragettes demonstrated, the postcard recorded everything."

Moreover, the postcard, intended for a popular audience, provides insight to the values of that age. "The postcard can be used as an illustration of business and labor conditions; as evidence of popular attitudes toward America's ethnic, religious, and racial minorities; as a record of the various social struggles of the day; and as an index of popular taste in art and humor," Mr. Miller notes.

A Guide to Hawk Watching in North America. By Donald S. Heintzelman. \$12.95, cloth; \$6.95, paperback.

A successor to the author's *A Guide to Eastern Hawk Watching*, this compact field guide provides comprehensive information about the observation, identification, biology and ecology of diurnal raptors. The book is illustrated with numerous photographs. Hawk migration lookouts in the United States and Canada are listed, along with bald eagle and other raptor viewing areas.

Gymnastics Safety Manual Second Edition. Eugene Wettstone, Editor. \$11.95, cloth; \$7.95, paperback.

New material on the trampoline has been prepared for this edition.

Police Cooperation and Performance: The Greater St. Louis Interlocal Experience. By James C. McDavid. Number 46 in The Pennsylvania State University Studies. \$4.50 paper.

The findings reported in this monograph by Dr. McDavid, an assistant professor of public administration at Penn State, suggest that "levels and performance-related consequences of inter-local cooperation in existing fragmented political settings make the argument for centralization of police agencies much less persuasive."

Police decisions in this area, Dr. McDavid notes, have "heretofore been characterized by received wisdom and untested principles . . .

" . . . This description of cooperative arrangements is intended to show that reform-based expectations regarding frequencies and types of cooperation are not consistent with the evidence."

Maliban: A Biography of the Singer. By Howard Bushnell. 264 pages. \$17.95.

During her short and frenetic life, Maria Garcia Maliban was the object of adulation of audiences in six countries. The colorful career and new vocal style of this legendary 19th century singer epitomized the age of *bel canto*. The possessor of a flexible three-octave vocal range, she sang both contralto and soprano

roles in works by Rossini, Bellini and Donizetti.

Maliban came from a remarkable musical family; her father, Manuel Garcia, created the lead role in Rossini's *Barber of Seville*, and he led his family troupe in the first American performances of Italian operas.

Maliban died suddenly at age 28. The events of her wildly successful and unconventional career have been documented by Mr. Bushnell with reviews of her performances and extracts from her correspondence.

Black Africa, de Gaulle: From the French Empire to Independence. By Dorothy Shipley White. 301 pages. \$14.95.

A personal friend of the de Gaulle family, Dr. White is the author of *Seeds of Discord: Free France and the Allies*. In this book, focusing on President de Gaulle's role, she describes and analyzes the context of independence to the former French colonies of sub-Saharan Africa.

Dr. White vividly describes the General's shift, after an African tour in 1960, from Confederation — "I, de Gaulle, say 'Federation' and there we stop!" — to Cooperation.

Fourteen sub-Saharan colonies were granted independence by France in 1960, after referendums set up by de Gaulle. Six of the 14 new nations decided to remain outside the French Community, although retaining certain economic and cultural ties, and currently there are only five full members.

A prologue traces events of the colonial era, and an epilogue recounts developments since the completion of the French Community in 1961.

The Achievement of Margaret Fuller. By Margaret Vanderhaar Allen. 212 pages. \$13.50.

The dramatic aspects of Margaret Fuller's life have already been the subject of several recent books. Dr. Allen is the first to consider Fuller as an intellectual leader on a par with Emerson and Thoreau, her contemporaries. Dr. Allen explores Fuller's contributions as writer, literary critic, feminist, journalist and commentator on American society. She also examines the process through which Fuller's reputation was obscured following her death at sea in 1850.

A scholar in an era when scholarship on women was not encouraged, Fuller was a teacher, translator and author, as well as a full-time correspondent for Horace Greeley's New York Daily Tribune.

Dr. Allen devotes considerable attention to the complex friendship between Fuller and Emerson and to the damage Emerson wrought on her reputation as a writer and thinker.

Carpoolers

The Penn State employees listed below are interested in sharing rides. Persons

desiring a listing in INTERCOM should send in their names to Room 312 Old Main and include information on their residence, work location, arrival and departure times, phone numbers at home and work, and whether drivers, riders or both are sought.

Robert R. Rimmey, Millheim (349-8041) works 7 a.m. to 4:30 p.m. at Dairy Breeding Research Center (863-0832). Will pay to ride, share driving in carpool, or accept riders.

Phyllis Spicer, Rebersburg (349-5283), works in Mineral Sciences Building (863-6082). Seeks driver.

Janice E. Wingate, Warriors Mark (632-7870), works 7:30 a.m. to 4:30 p.m. in Old Main (865-1356). Will pay to ride.

The Challenge of the '80s

Editor's note: This article is the last of a series in which the academic deans reflect on what lies ahead for their colleges in the '80s.

Among the recommendations of the *Perspective on the '80s* are several which emphasize the need for multi-disciplinary, interdepartmental and intercollege approaches to the human condition and to the interventions needed to alter favorably the human situation.

"I feel that Penn State as an eminent university is moving in the right direction as we enter the '80s," says Dr. Evan G. Pattishall, interim dean of the College of Human Development. "In our College, this is especially true, because a multi-disciplinary approach to the human condition permeates our research, our teaching and our professional service programs."

While Dr. Pattishall takes note of Chapter Three of the *Perspective*, in which an expected decline in high school graduates is discussed, he believes that the decline will be more than offset by a new emphasis on students seeking to prepare themselves for careers in both the established and the emerging professions which are directed toward working with and on behalf of people.

"I also see students insisting on increased relevance or relatedness between what they learn in college and what they hope to work at when they're graduated," he says. "I expect them to remain

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interested in the liberal arts, humanities, the arts, and other aspects of a basic education, but to insist upon some help in translating and applying the ingredients of what they learn to the day-to-day world of affairs in which they are destined to live and work.

"Since the College of Human Development bases its professionally-oriented curriculum on strong bridges between research, scholarship and service and has been steadily developing its capabilities in each of these areas, I feel we're in an especially good position to be able to respond to these students.

"Moreover, both science and society have realized that we cannot hope to make effective headway toward solving the problems of humankind if we attempt to proceed with knowledge and skills which are drawn from a narrowly defined discipline base. Multi-disciplinary knowledge and multi-professional applications are required.

"Biochemistry," Dr. Pattishall continues, "began 35 years ago through the cross-disciplinary efforts of organic chemists and biologists working together. Biophysics resulted from the same kind of inter-disciplinary concerns.

"In medicine and behavior, the areas in which I've worked for the past 25 years, biomedical scientists have established that biochemistry, physiology and behavior are integrally related and that the most promising breakthroughs are occurring at the interface between disciplines traditionally defined. We see ourselves in Human Development as working at many such interfaces.

"We must, of course, continue to promote patterns of inquiry within our traditional disciplines; but we must also recognize that the resolution of most of today's complex problems will only occur through the combined utilization of varied knowledge and concepts drawn from all relevant disciplines. That's why it's important to the University to have a professional and multi-disciplinary college such as Human Development providing the means whereby a variety of disciplines and professional technologies can become readily combined in order to address the problems of the individual, the family and the community."

Dr. Pattishall points to one of the College's programs to illustrate what he means.

The College has an outstanding human nutrition program," he says, "built on a strong research base involving biochemical, human, medical, behavioral, community, and public health nutrition. Research studies have shown that, while it's important to identify biochemical substances and pathways, it's also necessary to combine this information with personal and cultural factors if we are to develop behavior change strategies to alter the intake of nutritious elements, and thereby beneficially affect the health and course of people's lives.

"The role of nutrition in human development is increasingly a personal, national and international concern, with influences not only upon health and disease, but also upon the economics, politics, and history of people. That's why most of the problems in human nutrition must be addressed through multi- rather than uni-disciplinary perspectives. We are establishing the base for that perspective and other programs are developing similar models."

As its name implies, the College also utilizes a developmental perspective throughout most of its programs and activities. This is another way in which its approach can be said to differ from more established ways of addressing the human situation and attempting to solve problems associated with it. Not only individuals but also families and communities, as well as agencies and organizations intended to serve them, are viewed as changing and developing entities, according to Dean Pattishall. Thus, solutions to human problems and the educational programs to prepare students to work in the human services must incorporate a working knowledge of the developmental and interdependent processes that are involved. This approach calls for novel ways of thinking, new models of application, innovative procedures and techniques, and often different ways of preparing persons to enter the professional world.

"From my perspective," Dean Pattishall says, "society and its leaders are increasingly demanding that the academic community formulate, teach, and recurrently review the knowledge and skills necessary for people to improve all facets of human growth and development — personal, physical, economic, political, and societal. The College of Human Development expects to play a unique and significant role in preparing people to engage effectively in such efforts, and in generating the new knowledge base and technical skills they require by means of its educational, research, and service programs.

"Our programs in Individual and Family Studies, Administration of Justice and Community Systems Program Development are good examples of some innovative professional programs the College has evolved so far," he reports.

"Others are developing in food services and housing administration, man-environment relations, and community development.

"Academia as well as society can benefit from our approach."

In Dean Pattishall's view, society is beginning to realize that the acquisition of knowledge may be secondary to its use, and he believes that in the '80s universities will be called upon to increase the translation and applications of the basic knowledge they have been accumulating. But the development of strong science, arts and technology programs will not in itself be enough. "We must also integrate strong human development and behavioral dimensions into them," Dean Pattishall says. "If we fail to give this a high priority, we will be building a hollow shell of expertise without adequate concern for the quality of life."

As the impact of the effects of human action on environment and society receives increased recognition, the impact of environment and society upon development and health demands equal attention. "It's a two-way concern," Dean Pattishall emphasizes.

"We hope to extend our multi-disciplinary and interdepartmental approaches to human development into a variety of intercollege relationships so that we may play a major role in the continued development of Penn State as a great public university."

Looking to the future of the College, he sees continued but controlled growth, mainly because "we are educating persons for professional roles who are in great demand by society to solve the increasingly complex problems faced by human beings trying to survive, develop and prosper in a context they either chose or inherited."

The College's baccalaureate enrollment at University Park has rapidly grown during its brief ten-year history to about 3,000 students. Campus baccalaureate programs increased dramatically until about 1976, when it proved necessary to impose partial ceilings to maintain quality of instruction in line with funding.

"We are especially pleased," Dean Pattishall reports, "that the number of our graduate students has more than doubled in the same period of time, to a total of about 280. This is certainly related to the increase in our research programs, which provide a solid base for our instruction and consultation relationships."

The College's consultation relationships are carried out through a network of applied centers which are active in providing useful assistance and aid to a broad range of clientele in both nearby communities and throughout the Commonwealth. Faculty and staff members and students combine their efforts to provide consultative service to individuals, families, and communities, as well as to human service organizations and agencies in regard to the multiple aspects of human development and welfare. The centers provide a valuable means through which to integrate instruction, research and service.

"It's appropriate that our research involvement and funding will increase during the '80s," Dean Pattishall continues, "because we are placing a high priority on the development of a strong research base to interact with our teaching, consultation and service roles.

"We will also be engaged in improving the supervisory and quality controls over the practicum experiences in which most of our students participate. We want to ensure that students are very clear about the learning objectives that are to be accomplished when they are in the field and that they are evaluated as to the achievement of these objectives by qualified personnel. When students bring field experiences into junior and senior year coursework, classroom material takes on new relevancy and learning is enhanced. Practicum experiences also help students decide whether they have selected a profession to which they are willing to commit themselves, and as these field experiences are shared, they enrich the learning experiences of everyone — faculty and students alike."

In the future, Dean Pattishall sees the University continuing to develop a strong emphasis on its land-grant responsibilities. "I am very optimistic," he says, "that we can extend this land-grant responsibility even further by working with non-traditional students who want to upgrade their personal and professional knowledge and skills. The College has already had outstanding success in developing models for extended degree programs in nursing, health planning administration and the

administration of justice, and we will expand these programs as required.

"During the past few years, I've been closely associated with the health-related professions, and almost all of them are actively attempting to upgrade their level of professional certification. With the wealth of resources that we have at Penn State — not only in Human Development but also in the College of Health, Physical Education and Recreation, the College of Medicine and the College of Science — we are in a unique position to respond to the many varied health profession groups seeking extended degree programs and other professional education at the baccalaureate and graduate levels. Recognizing that there are still problems of



Dr. Pattishall

working cooperatively, of insuring quality control, and of persuading full-time faculty members to develop a commitment to this kind of outreach, I still think that it can be done and that the University and the Commonwealth will benefit.

"I expect the College of Human Development to play a major role in this effort. To do so, we must give increased recognition to the needs of the non-traditional, non-resident, non-full-time, non-college age, non-male student. We must develop programs that respond to the needs of the minority as well as the disadvantaged student. There are many bright, highly motivated students among them, and neither the University nor society can afford to neglect the talents they have, nor the contributions they can make. Penn State's concern for quality and selectivity in the '80s can find excellent expression through the recruitment of such non-traditional students and the design of educational experiences for their development.

"The University's response to this challenge could more than offset any anticipated reduction in enrollments and will, I think, provide education, intellectual and professional services for the State in fulfillment of our land-grant responsibilities."

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University Park Calendar

SPRING TERM 1980

Thursday, March 6

Spring Term registration, 8 a.m.-5 p.m., IM Bldg.

Continuing Education registration, noon-8 p.m., Room 101 Kern.

HUB Craft Center, registration for 1st session classes, noon-5 p.m., daily through March 15, Room 312 HUB.

Friday, March 7

Spring Term registration, 8 a.m.-5 p.m., IM Bldg.

Continuing Education registration, 9 a.m.-6 p.m., Room 101 Kern.

Sunday, March 9

HUB Mini-Concert, Sweet Maxine (formerly Stryder), rock and roll, 9 p.m., HUB Ballroom.

Week of March 10

Monday, March 10

ARHS Book Sale, 10 a.m.-7 p.m., Room 301 HUB, through March 12.

Drop/Add, 1 p.m.-4 p.m., HUB Station. France-Cinema, *Get Out Your Handkerchiefs*, 7 and 9 p.m., Room 112 Kern.

Interdisciplinary Symposium on Value, 8 p.m., Room 101 Kern. Michael Svoboda, interdisciplinary graduate program in the humanities, speaker.

Auriol-Fauchet Duo (violin & piano), 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, March 11

Drop/Add, 9 a.m.-4 p.m., HUB Station, daily through March 14.

Faculty Women's Club Brown Bag Lunch & Lecture, 11:45 a.m., Faculty Club. Willard Martin, New Kensington Campus, on "The Interesting Amish."

College of Agriculture faculty meeting, 4 p.m., Room 301 Ag. Admin. Bldg.

School of Music Common Hour, 4 p.m., Music Bldg. Recital Hall. Master class by Adele Auriol and Bernard Fauchet.

Comp. Lit. Film Series, Pasolini, *Medea*, 7 and 9 p.m., Room 112 Kern.

Artists Series film, David Copperfield, 8 p.m., Schwab.

Wednesday, March 12

Comp. Lit. Film Series, *Medea*, 7 and 9 p.m., Room 101 Chambers.

France-Cinema, *Get Out Your Handkerchiefs*, 7 and 9 p.m., Room 112 Kern.

Jazz Festival, 3rd Stream, 8 p.m., Schwab. Christopher Callahan, French horn, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, March 13

Sports: fencing (men), NCAA Championships, through March 15.

Jazz Festival, Travis, noon, HUB Assembly Hall. Barry Miller/Eric Kloss and Waterland Quartet, 8 p.m., Schwab.

GSA videotape, "Best of Johnny Carson," 1 p.m., Kern Lobby.

HUB 25th Anniversary Celebration Dinner, 4:45-6:45 p.m., HUB Terrace Room.

HUB Craft Center, Open House, 7:30-9:30 p.m., Room 312 HUB.

HUB 25th Anniversary Celebration. On the Waterfront, 2:30-7 and 9:30 p.m., HUB Assembly Room. Free.

GSA workshop, Lassie Marthoff on "What's Your Raquet? - How to Select and Maintain," 7:30 p.m., Room 101 Kern.

Forest Products Research Society Lecture, 8 p.m., Room 304 Forest Research Lab. John Meyer, Syracuse Univ., on "Commercial Application of Wood-Plastics."

Friday, March 14

Sports: swimming and diving (men), NCAA Qualifying Diving Meet, through March 15. Jazz Festival, Arthur Goldstein Trio, noon, HUB Main Lounge. Appalachian Swing Quartet and Quintessence, 8 p.m., Room 102 Kern.



STS/Three Cultures Dialogue on

"Science/Technology for War or Peace," luncheon, noon, presentation, 12:20 p.m., Room 101 Kern. Geoffrey L. Wilson, Materials Research Lab., on "Justification for Academic Participation in Weapons Research."

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Arthur Goldschmidt, history, on "The Contemporary Mid East: Problems and Prospects."

HUB 25th Anniversary Celebration Dinner, 4:45-6:45 p.m., HUB Terrace Room.

Commonplace Theatre, *Jim Hendrix*, 7 and 9 p.m., Room 112 Kern.

Margaret Lecrone, violin, 8:30 p.m., Music Bldg. Recital Hall.

HUB 25th Anniversary Celebration Dance, Phi Mu Alpha Dance Band, 9 p.m., HUB Ballroom.

Saturday, March 15

Jazz Dance Workshop, 1 p.m., Walnut Bldg. France-Cinema, *Get Out Your Handkerchiefs*, 7 and 9 p.m., Room 112 Kern.

Sports: gymnastics (men) vs. LSU and (women) vs. Rutgers, both at 8 p.m.

University Choir, Berlioz, *Requiem*, 8:30 p.m., Eisenhower Auditorium.

Sunday, March 16

Free University, course registration, 11 a.m.-3 p.m., Robeson Cultural Center.

University Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Derald Stump, Episcopal Student Assn., speaker.

Sports: bowling (men) vs. Villanova, 1 p.m. Annette Torregrosa, cello, 3:30 p.m., Music Bldg. Recital Hall.

Commonplace Theatre, *Jim Hendrix*, 7 and 9 p.m., Room 112 Kern.

HPER week guest speaker, Vera Komarkova, American Women's 1980 Climbing Expedition to Dhaulagiri I, Nepal, 8 p.m., Eisenhower.

Evening with the Arts, Hugh Ward, Irish folksinger and folklorist, 8:30 p.m., HUB Ballroom.

GSA, St. Patrick's Day Social, Jim Corr and Friends, 8 p.m., Room 102 Kern.

Tuesday, March 18

Jazz Festival, Phi Mu Alpha Band, noon, HUB Main Lounge; lecture, Peter Winkler, music, on "History of Jazz," 2 p.m., HUB Main Lounge; Penn State Jazz Blue Band and State College High School Jazz Band, 8 p.m., HUB Ballroom.

Comp. Lit. Luncheon, 12:15; talk, 1 p.m., Hotel State College; Paul West, English, reads from his new novel *The Very Rich Hours of Count von Stauffenberg*.

School of Music Common Hour, 4 p.m., Music Bldg. Recital Hall.

Shakespeare film, *A Midsummer Night's Dream* (Hall/Rigg), 6:30 p.m., Room 112 Chambers.

Comp. Lit. Film Series, *Tacchella*, *Blue Country*, 7 and 9 p.m., Room 112 Kern.

Wednesday, March 19

Late registration deadline.

Add deadline.

Jazz Festival, films, "Liquid Jazz" and "New Orleans Jazz Museum," all day, HUB Assembly Hall; Paul Pute and Ed McGuire, 8 p.m., HUB North Lounge.

Campus Colleagues meeting, 4:30-6:30 p.m., PSU Women Coaches Panel, Assembly Room, Nittany Lion Inn.

Sports: volleyball (men) vs. Pittsburgh, 7 p.m.

IAHS, History of Photography Lecture, 8 p.m., Room 101 Kern. J. McElroy, Univ. of Arizona, on "Early Photography in Peru."

Week of March 17

Monday, March 17

Jazz Festival, Jerry Zolten and Jive Bombers, noon, HUB Main Lounge; films, "Liquid Jazz" and "New Orleans Jazz Museum," all day, HUB Assembly Hall; The Danceband, 8 p.m., HUB Ballroom.

St. Patrick's Day Candlelight Dinner, 4:45-6:45 p.m., HUB Terrace Room.

Shakespeare film, *A Midsummer Night's Dream* (Hall/Rigg), 6:30 p.m., Room 101 Chambers.

France-Cinema, *Get Out Your Handkerchiefs*, 7 and 9 p.m., Room 112 Kern.

Volunteer Service Center orientation, 7 p.m., HUB Reading Room. Also March 18 and 19.

Color Slide Club meeting, 7:30 p.m., Room 189 Materials Research Lab.

Shakespeare film, *Richard II* (BBC), 8 p.m., Room 304 Boucke.
 Alfred String Quartet, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, March 20
 20th Annual Invitational Film Festival, Room 102 and 112 Kern, through March 22.
 Jazz Festival, Michael Dennis, jazz guitar, noon, HUB Assembly Hall. Tarnished Six, 8 p.m., HUB Ballroom.
 Delia Kappa Initiation, 5 p.m., Room 112 Kern. Banquet, 6 p.m., Nittany Lion Inn.
 IAHs, History of Photography Lecture, 8 p.m., Room 101 Kern. Zoe Smith-Nesterenko, Univ. of Tulsa, on "The Style of Life: The Influence of European Photographers and Picture Editors on Life Magazine."

Friday, March 21
 Board of Trustees meeting, Capitol Campus. Deadline to sign up for Spring Term Group Health Insurance for graduate students, Room 306 Kern.
 Sports: gymnastics (women), EAIAW Championships, through March 22.
 Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. E. Willard Miller, assoc. dean, E&MS, speaker.

Commonsplace Theatre, *The Harder They Come*, 7 and 9 p.m., Room 112 Kern.
 Jazz Festival, Bravura/Sonny Fortune, 8 p.m., Eisenhower Auditorium.

Saturday, March 22
 Board of Trustees meeting, Capitol Campus. France-Cinema, *Autumn Sonata*, 7 and 9 p.m., Room 112 Kern.
 Sports: volleyball (men) vs. Ohio State, 7 p.m. SA Cabaret, 8 p.m., Room 102 Kern.
 Alliance Francisi Scholarship Benefit Concert, 8:30 p.m., Music Bldg. Recital Hall. Phyllis Triolo and others, French Chamber Music. Meeting with the Arts, Will Stuts, one man show depicting Mark Twain and Edgar Allan Poe, 8:30 p.m., Schwab.

Sunday, March 23
 Ben-Li Women's Awareness Week, through March 29.
 University Chapel Service, 11 a.m., Eisenhower Chapel. Dr. James Martin, psychology, PSU, speaker.
 Joe Pappas, cello, 3:30 p.m., Music Bldg. Recital Hall.
 Commonsplace Theatre, *The Harder They Come*, 7 and 9 p.m., Room 112 Kern.

Week of March 24

Monday, March 24
 Sports: fencing (women) vs. Barnard College of Columbia Univ., 3 p.m.
 Shakespeare film, *Romeo and Juliet* (BBC), 6:30 p.m., Room 101 Chambers.
 France-Cinema, *Autumn Sonata*, 7 and 9 p.m., Room 112 Kern.
 Spanish Dept. Lecture, 8 p.m., Room 101 Kern. Jose Martin Recuerda, Spanish playwright, on "Creacion, arranque y evolucion de un dramaturgo durante la Espana de franco y la transicion a la democracia."
 Barbara O'Connor, French horn, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, March 25
 Gallery Talk, 10:30 a.m., Museum of Art. Clare Lechevalier, assoc. curator of European sculpture and decorative arts, Metropolitan Museum of Art, NY, discusses Chinese export porcelain.

STS/Three Cultures Dialogue on "Science/Technology for War or Peace," luncheon, noon; presentation, 12:20 p.m., Room 101 Kern. Donald P. Verene, philosophy, on "The Philosophy Increase: Eliot Revisited."

Comp. Lit. Luncheon, 12:15; talk, 1 p.m., Hotel State College. Betsy Bonden, English, on "Ambiguity on the Page/Flexibility in Performance: A New Look at Chaucer."
 Shakespeare film, *Romeo and Juliet* (BBC), 6:30 p.m., Room 112 Chambers.

Comp. Lit. Film Series, Antonioni, *The Passenger*, 7 and 9 p.m., Room 112 Kern.

Wednesday, March 26
 Graduate School Lecture, 8 p.m., Room 112 Kern. Herbert Smith, Nobel Laureate, Carnegie Mellon Univ., speaker.
 IAHs, History of Photography Lecture, 8 p.m., Room 101 Kern. L. Schaaf, Univ. of Texas/Austin, on "Charles Piazzi Smyth: Photographer and Iconoclast."
 Shakespeare film, *Henry IV Part I* (BBC), 8 p.m., Room 304 Boucke.

Thursday, March 27
 Pass/Fail.
 URTC, Jose Martin Recuerda, English version by Robert Lima, *The Innates of the Convent of Saint Mary Egyptian*, 8 p.m., The Pavilion Theatre.

Friday, March 28
 Pass/Fail.
 College of Science, Ernest C. Pollard Lecture, 3:45 p.m., Room 112 Kern. Philip C. Hanawalt, biology, Stanford Univ., speaker.
 Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Robert Blanchard, director, School of Journalism, on "Congress and the News Media."

Commonsplace Theatre, *The 14th Tournee of Animation* (best world animation of 1976), 7 and 9 p.m., Room 112 Kern.
 Karate Club film, *Seven Samurai*, 7 and 10 p.m., Room 10 Sparks.

URTC, *The Innates of the Convent of Saint Mary Egyptian*, 8 p.m., The Pavilion Theatre.

Artists Series, Pittsburgh Symphony Orchestra, Michael Tilson Thomas, conductor, 8:30 p.m., Eisenhower Auditorium.

Saturday, March 29
 Artists Series, Pittsburgh Symphony Youth Concert, 10:30 a.m., Eisenhower Auditorium; Pittsburgh Symphony Orchestra, Michael Tilson Thomas, conductor, 8:30 p.m., Eisenhower Auditorium.

Sports: softball pre-season tournament, 11:30 a.m.; lacrosse (men) vs. Syracuse, 2 p.m.; volleyball (men) vs. Rutgers-Newark, 7 p.m. France-Cinema, *Peppermint Soda*, 7 and 9 p.m., Room 112 Kern.

Karate Club film, *Seven Samurai*, 7 and 10 p.m., Room 10 Sparks.

URTC, *The Innates of the Convent of Saint Mary Egyptian*, 8 p.m., The Pavilion Theatre.

Sunday, March 30
 University Chapel Service, 11 a.m., Eisenhower Chapel. Chichester Dance Group, Pat Heigel-Tanner, director.
 Joel Westa, baritone, and David Hudson, tenor, 3:30 p.m., Music Bldg. Recital Hall.
 Commonsplace Theatre, *The 14th Tournee of Animation*, 7 and 9 p.m., Room 112 Kern.
 Karate Club film, *Seven Samurai*, 7 and 10 p.m., Room 10 Sparks.
 HUB Mini-Concert, Ahlens, country rock, 9 p.m., HUB Ballroom.

Week of March 31

Monday, March 31
 Dead deadline.
 Preregistration deadline for Summer Term 1980. Pass/Fail.
 Course repeat deadline.
 Sports: baseball, vs. Bloomsburg (DH), 1:30 p.m.
 College of Science, Priestly Lectures, J.C. Polanyi, Univ. of Toronto, speaker. Also April 1-3.

Shakespeare film, *Henry V* (Olivier), 6:30 p.m., Room 101 Chambers.

France-Cinema, *Peppermint Soda*, 7 and 9 p.m., Room 112 Kern.

IAHs, History of Photography Lecture, 8 p.m., Room 101 Kern. A. B. Charley, Clouston State College, on "Man Ray: Last of the Red-Hot Dadas."

Brenda Harsch, soprano, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, April 1
 Comp. Lit. Luncheon, 12:15; talk, 1 p.m., Hotel State College. Thomas Hale, French, on "Africa: Written Literature and Oral Literature."

University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

School of Music Common Hour, 4 p.m., Music Bldg. Recital Hall.

Comp. Lit. Film Series, Frankheimer, *The Frier*, 6:30 and 8:45 p.m., Room 112 Kern.

Shakespeare film, *Henry V* (Olivier), 6:30 p.m., Room 112 Chambers.

Artists Series film, *Tokyo Story*, 8 p.m., Schwab.

Museum of Art Lecture, 8 p.m., Museum of Art. John C. O'Connor and Ralph M. Yeager discuss their collection of Pennsylvania prints.

URTC, *The Innates of the Convent of Saint Mary Egyptian*, 8 p.m., The Pavilion Theatre.

Wednesday, April 2
 Sports: tennis (women), vs. Princeton, 1:30 p.m. France-Cinema, *Hiroshima Mon Amour*, 7 and 9 p.m., Room 112 Kern.

Colloquy, Andrew Young, former U.S. Ambassador to the U.N., speaker, 8 p.m., Rec. Hall.

URTC, *The Innates of the Convent of Saint Mary Egyptian*, 8 p.m., The Pavilion Theatre.

Smith Toulson, clarinet, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, April 3
 STS/Three Cultures Dialogue on "Science/Technology for War or Peace," luncheon, noon; presentation, 12:20 p.m., Room 101 Kern. Robert E. Harkavy, political science, on "Role of Technology in U.S.-Soviet Relations."

Spanish Dept. Lecture, 8 p.m., Room 112 Kern. Jose Martin Recuerda on "Amor y muerte en el teatro de Gracia Lorca."

URTC, *The Innates of the Convent of Saint Mary Egyptian*, 8 p.m., The Pavilion Theatre.

Friday, April 4
 Sports: volleyball (men) vs. Springfield, 3 p.m.; track (men), Nittany Lion Relays (decathlon), 3 p.m.

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Anthony V. Williams and Nancy Mulcock, geography, on "Energy and the Senes."

Commonsplace Theatre, *Lisztomania*, 7 and 9 p.m., Room 112 Kern.

URTC, *The Innates of the Convent of Saint Mary Egyptian*, 8 p.m., The Pavilion Theatre.

Saturday, April 5
 Sports: track (men), Nittany Lion Relays, 10 a.m.; baseball vs. Rutgers (DH), 1 p.m.; lacrosse (men), vs. Ohio State, 2 p.m. France-Cinema, *Bread and Chocolate*, 7 and 9 p.m., Room 112 Kern.

URTC, *The Innates of the Convent of Saint Mary Egyptian*, 8 p.m., The Pavilion Theatre.

Sunday, April 6
 University Chapel Service, 11 a.m., Music Bldg. Recital Hall. Chapel Choir Easter Service, Tommie Irwin, director.

Sports: tennis (men), vs. West Virginia, 1 p.m.; baseball vs. West Chester, 1:30 p.m.

HUB Craft Center, registration for 2nd session closes, noon-5 p.m., daily through April 12.

Open House, 7:30-9:30 p.m., Room 312 HUB.

Commonsplace Theatre, *Lisztomania*, 7 and 9 p.m., Room 112 Kern.

Week of April 7

Monday, April 7
 College of Science, Whitmore Lectures, James P. Collman, Stanford Univ., speaker. Also April 8-10.

Shakespeare film, *Hamlet* (Olivier), 6:30 p.m., Room 101 Chambers.

France-Cinema, *Bread and Chocolate*, 7 and 9 p.m., Room 112 Kern.

Interdisciplinary Symposium on Value, 8 p.m., Room 101 Kern. Robert Adams, philosophy, UCLA, speaker.

Peggy Shipley, flute, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, April 8
 Comp. Lit. Luncheon, 12:15; talk, 1 p.m., Hotel State College. Velemin Gjurin, Yugoslavia, on "The Value of a Translation in Comparison to its Original."

Sports: softball, vs. West Chester (DH), 1:30 p.m.

School of Music Common Hour, 4 p.m., Music Bldg. Recital Hall.

Shakespeare film, *Hamlet* (Olivier), 6:30 p.m., Room 121 Sparks.

Comp. Lit. Film Series, Kadar, *Adrift*, 7 and 9 p.m., Room 112 Kern.

URTC, *The Innates of the Convent of Saint Mary Egyptian*, 8 p.m., The Pavilion Theatre.

Wednesday, April 9
 Hetzel Union Board/ARHS, Stereo Expo '80, through April 10, HUB.

France-Cinema, *The Stranger*, 7 and 9 p.m., Room 112 Kern.

Sports: volleyball (men) vs. East Stroudsburg, 7 p.m.; lacrosse (men) vs. Franklin & Marshall, 7 p.m.

IAHs, History of Photography Lecture, 8 p.m., Room 101 Kern. H.K. Henisch, physics and history of photography, on "Nineteenth Century Masters."

Shakespeare film, *Henry IV, Part 2* (BBC), 8 p.m., Room 304 Boucke.

URTC, *The Innates of the Convent of Saint Mary Egyptian*, 8 p.m., The Pavilion Theatre.

Jill Olson, piano, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, April 10
 Spring Serenade Special Dinner, 4:45-6:45 p.m., HUB Terrace Room.

College of Science, A. Dixon Johnson Memorial Lecture in Science Communication, 8 p.m., Room 103 Forum. Walter Sullivan, New York Times, speaker.

URTC, *The Innates of the Convent of Saint Mary Egyptian*, 8 p.m., The Pavilion Theatre.

Artists Series, Ira Levin, *Deathtrap*, 8:30 p.m., Eisenhower Auditorium.

Friday, April 11
 Spring Serenade Special Dinner, 4:45-6:45 p.m., HUB Terrace Room.

Penn State Jazz Blue Band, 8:30 p.m., Music Bldg. Recital Hall.

URTC, *The Innates of the Convent of Saint Mary Egyptian*, 8 p.m., The Pavilion Theatre.

Saturday, April 12
 Robeson Cultural Center, bus trip to Washington, D.C., through April 13.

Information, 865-1779.

Spring Dairy and Livestock Judging Contests, 10 a.m.-3 p.m., University Dairy and Beef/Sheep Centers.

College of Earth and Mineral Sciences, 1980 Earth and Man Exposition, open house, 1-5 p.m.

Sports: baseball, vs. George Washington (DH), 1 p.m.; lacrosse (women), vs. Ursinus, 2 p.m.

France-Cinema, *Two English Girls*, 7 and 9 p.m., Room 112 Kern.

URTC, *The Innates of the Convent of Saint Mary Egyptian*, 8 p.m., The Pavilion Theatre.

Penn State Singers Spring Concert, 8:30 p.m., Schwab.

Sunday, April 13
 University Chapel Service, 11 a.m., Eisenhower Chapel. Ecumenical Student Worship Service.

Sports: baseball, vs. Rider (DH), 1 p.m. College of Earth and Mineral Sciences, open house, 1-5 p.m.

Opening reception for Diane Pepe exhibit, 3-5 p.m., Museum of Art.

Commonsplace Theatre, *The Last Wave*, 7 and 9 p.m., Room 112 Kern.

Penn State Symphony Orchestra, 8 p.m., Eisenhower Auditorium.

HUB Mini-Concert, Johnston Bros., country rock-country swing, 9 p.m., HUB Ballroom.

Week of April 14

Monday, April 14
 Shakespeare film, *Hamlet* (Richardson), 6:30 p.m., Room 101 Chambers.

France-Cinema, *Two English Girls*, 7 and 9 p.m., Room 112 Kern.

Doris Bradford, piano, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, April 15
 Fixed date for meetings involving Commonwealth campus faculty.

GSA videotape, "CBS: The First 25 Years," noon, Kern Lobby.

STS/Three Cultures Dialogue on "Science/Technology for War or Peace," luncheon, noon; presentation, 12:20 p.m., Room 101 Kern. James J. Frits, chemistry, on "Complicity in the Scientific Community."

Comp. Lit. Luncheon, 12:15; talk, 1 p.m., Hotel State College. Alessandra Comini, SMU, art history, speaker.

Sports: softball, vs. Claiborn (DH), 1:30 p.m. School of Music Common Hour, 4 p.m., Music Bldg. Recital Hall.

Shakespeare film, *Hamlet* (Richardson), 6:30 p.m., Room 112 Chambers.

Artists Series film, *Of Human Bondage*, 8 p.m., Schwab.

Wednesday, April 16

Fixed date for meetings involving Commonwealth Campus faculty.
Colloquy, William Colby, former CIA director, speaker, 8 p.m., Eisenhower Auditorium.
Musica da Camera, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, April 17

College of Science, Mueller Lecture, 8 p.m., Room 117 Omond. John Bardeen, Nobel Laureate, Univ. of Illinois, speaker.

Friday, April 18

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. William Duiker, East Asian history, on "How They Won: Comments on the Communist Victory in Vietnam."
Penn State Symphonic Wind Ensemble, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, April 19

Phi Psi 500.
Sports: baseball vs. Howard (DH), 1 p.m., lacrosse (women) vs. West Chester, 2 p.m.; lacrosse (men) vs. Rutgers, 7 p.m.
Artists Series, Beaux Arts Trio, 8:30 p.m., Schwab.

Sunday, April 20

University Chapel Service, 11 a.m., Eisenhower Chapel. Dr. James Cone, theology, Union Theological Seminary, speaker.
Sports: baseball vs. St. Francis (DH), 1 p.m.

Week of April 21**Monday, April 21**

Sports: lacrosse (women) vs. England (exhibition), 7 p.m.
France-Cinema, *Earrings of Madame De . . .*, 7 and 9 p.m., Room 112 Kern.
Color Slide Club meeting, 7:30 p.m., Room 189 Materials Research Lab.
English Colloquium, 8 p.m., Room 101 Kern.
W.S. Merwin, Pulitzer Prize-winning poet and translator, reads from his works.
Monte Bedford, oboe; Diane Gold, flute; and Phyllis Triolo, piano, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, April 22

Gallery Talk, 10:30 a.m., Museum of Art.
Richard W. Pencek on "American Furniture Styles, 1650-1830."
Comp. Lit. Luncheon, 12:15; talk, 1 p.m., Hotel State College. Kenyon Emrys-Roberts, English composer, on "Composing for Count Dracula."
Sports: softball vs. Lock Haven (DH), 2 p.m.; tennis (women) vs. Bucknell, 3 p.m.
School of Music Common Hour, 4 p.m., Music Bldg. Recital Hall.
Comp. Lit. Film Series, *Camus, Black Orpheus*, 7 and 9 p.m., Room 112 Kern.
Archaeological Institute of America Lecture, 8 p.m., Room 101 Kern. Denise Schmandt-Besserat, Univ. of Texas, on "A Recording System Based on Tokens Prior to Writing."

Wednesday, April 23

Sports: baseball vs. Mansfield, 3 p.m.
College of HPER Lecture, 7 p.m., Room 101 Kern. Mark Harris, author, Univ. of Pittsburgh, on "Sport and Literature."
English Colloquium, 8 p.m., Room 102 Kern.
A.C. Spearing, Queens College, Cambridge, and visiting professor, Univ. of Virginia, on "Chaucer and the Chaucerians."
Shakespeare Film, *Henry V* (BBC), 8 p.m., Room 304 Boucke.
Alard String Quartet, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, April 24

Gentle Thursday, all day, HUB Lawn (tentative).
Slavic Folk Festival, 9 a.m.-10 p.m., HUB Ballroom.

Sports: tennis (men) vs. Bloomsburg, 3 p.m.
History Colloquium, A. Kazhdan, Dumbarton Oaks, Washington, D.C., on "The Application of 'Western' Methodology to the Study of Byzantine History," 3:30 p.m., Room 124 Sparks.

Medieval Studies Banquet. Awards to winners of annual Medieval Studies Essay Contest, 6 p.m., Maple Room. Advance reservations necessary, 865-5481.

English Colloquium, 8 p.m., Room 101 Kern.
Mark Harris, author and professor, Univ. of Pittsburgh, reads from and discusses his work.

Friday, April 25

Slavic Folk Festival, 9 a.m.-10 p.m., HUB Ballroom.
College of Business Administration, William Elliott Lecture, 9:45 a.m., Room 112 Kern.
Thomas E. Murphy, chairman, General Motors, speaker.

Medieval Studies Lecture, 3 p.m., Room 306 Burrows. A. Kazhdan, Dumbarton Oaks, Washington, D.C., on "The Role of Byzantine Studies in the Intellectual Life of the Soviet Union."

Sports: tennis (men) vs. Maryland, 3 p.m.
Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Wilber Zelinsky, geography, on "The Season of Marriage."

Commonplace Theatre, Roman Polanski Festival, *Knife in the Water*, 6 p.m.; *Cul de Sac*, 7:30 p.m.; *Repulsion*, 9:30 p.m., Room 112 Kern.

Penn State Percussion Ensemble, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, April 26

Little International Livestock Show, 8 a.m.-4 p.m., University Bldg./Sheep Center.
Sports: golf (men), Nittany Lion Invitational, 8 a.m.; baseball vs. St. John's (DH), 1 p.m.; lacrosse (women) vs. Rutgers, 2 p.m.
Slavic Folk Festival, 9 a.m.-12 p.m., HUB Ballroom.

School of Music, Frances Andrews Competition, 10 a.m., Music Bldg. Recital Hall.
France-Cinema, *The Story of Adele H.*, 7 and 9 p.m., Room 112 Kern.

Artists Series, Garrick Ohlsson, pianist, 8:30 p.m., Eisenhower Auditorium.

Sunday, April 27

Sports: golf (men), Nittany Lion Invitational, 8 a.m.
University Chapel Service, 11 a.m., Schwab Auditorium.

Blue Band Concert, 3 p.m., Eisenhower Auditorium.

Commonplace Theatre, Roman Polanski Festival, *Knife in the Water*, 6 p.m.; *Cul de Sac*, 7:30 p.m.; *Repulsion*, 9:30 p.m., Room 112 Kern.

Evening with the Arts, Tim Eyerman and the East Coast Offering, jazz-rock, 8:30 p.m., HUB Ballroom.

Mark Dennis, organ, 8:30 p.m., Music Bldg. Recital Hall.

Week of April 28**Monday, April 28**

Shakespeare film, *Macbeth* (BBC), 6:30 p.m., Room 101 Chambers.
France-Cinema, *The Story of Adele H.*, 7 and 9 p.m., Room 112 Kern.
Mu Phi Concert, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, April 29

Sports: tennis (women) vs. Maryland, 10 a.m.; softball vs. Brockport State (DH), 2 p.m.
Comp. Lit. Luncheon, 12:15; talk, 1 p.m., Hotel State College. Edwin Thumson, Univ. of Singapore, on "A Question of Tradition: Imported and Local."

School of Music Common Hour, 4 p.m., Music Bldg. Recital Hall.

Shakespeare film, *Macbeth* (BBC), 6:30 p.m., Room 112 Chambers.
Comp. Lit. Film Series, *Mazursky, Alex in Wonderland*, 7 and 9 p.m., Room 112 Kern.

Artists Series film, *Late Spring*, 8 p.m., Schwab.

Wednesday, April 30

France-Cinema, *Jules and Jim*, 7 and 9 p.m., Room 112 Kern.

Penn State Symphonic Wind Ensemble, chamber music, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, May 1

Sports: lacrosse (women) vs. Towson State, 3 p.m.
College of Science, R.W. Stone Lecture, Evelyn Witkin, Douglas College, Rutgers Univ., speaker.

URTC, William Shakespeare, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Friday, May 2

Last day to sign Spring Term NDSL and University Long Term Loans, Room 108 Shields.

Late drop deadline.

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Douglas Markley, Univ. of Western Australia, on "Waltzing, Materialism."

Commonplace Theatre, Ingmar Bergman, *The Touch*, 7 and 9 p.m., Room 112 Kern.
URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Saturday, May 3

55th Penn State Dairy Exposition, 8 a.m.-5 p.m., Univ. Dairy Center.

ARHS, "Movin' On," HUB Lawn, through May 4.

Sports: track (men), Penn State Memorial Invitational, 11 a.m.; lacrosse (men) vs. Maryland, 7 p.m.

France-Cinema, *Cries and Whispers*, 7 and 9 p.m., Room 112 Kern.

URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

University Choirs and Orchestras, concert of works by Ulysses Kay, 8:30 p.m., Eisenhower Auditorium.

Sunday, May 4

Sports: golf (women), Alumni Match, 8 a.m.
University Chapel Service, 11 a.m., Eisenhower Chapel. Dr. David Brown, clinical psychologist, PSU, speaker.

Molly Weaver, clarinet, 3:30 p.m., Music Bldg. Recital Hall.

Commonplace Theatre, *The Touch*, 7 and 9 p.m., Room 112 Kern.

Week of May 5**Monday, May 5**

First day to sign Summer Term NDSL and University Long Term Loans, Room 108 Shields.

Sports: tennis (men) vs. Bucknell, 3 p.m.

Shakespeare film, *King Lear* (Scofield), 6:30 p.m., Room 101 Chambers.

France-Cinema, *Cries and Whispers*, 7 and 9 p.m., Room 112 Kern.

White Band Concert, 7 p.m., Fisher Plaza.
Interdisciplinary Symposium on Value, 8 p.m., Room 101 Kern. Ted Vallance, human development, speaker.

Mary Jeddelle Competition, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, May 6

Comp. Lit. Luncheon, 12:15; talk, 1 p.m., Hotel State College. Kathryn Grossman, French, Beaver Campus, on "Fertile Hybrids and Illegitimate Paris: Transcending Dissonance in Notre Dame de Paris."

University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

Sports: lacrosse (women) vs. East Stroudsburg, 3:30 p.m.

School of Music Common Hour, 4 p.m., Music Bldg. Recital Hall.

Shakespeare film, *King Lear* (Scofield), 6:30 p.m., Room 112 Chambers.

Comp. Lit. Film Series, *Visconti, The Innocent*, 7 and 9 p.m., Room 112 Kern.

URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Wednesday, May 7

Comp. Lit. Film Series, *The Innocent*, 7 and 9 p.m., Room 112 Kern.

Shakespeare film, *The Tempest* (BBC), 8 p.m., Room 304 Boucke.

URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Composers' Concert, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, May 8

End of Another Year Special Dinner, 4:45-6:45 p.m., HUB Terrace Room.

Penn State Thespians, Rogers and Hammerstein, *Carousel*, 8 p.m., Schwab.

URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Friday, May 9

Sports: golf (women), Lady Lion Spring Invitational, through May 10.
Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Ronald Abler, geography, on "Whither Distance: Communications Technology and Society."

End of Another Year Special Dinner, 4:45-6:45 p.m., HUB Terrace Room.
Penn State Thespians, *Carousel*, 8 p.m., Schwab.

URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Penn State Brass Choral, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, May 10

Sports: golf (men), Alumni Tournament, 10 a.m.; track (women), Lady Lion Invitational, 10 a.m.

France-Cinema, *Children of Paradise*, 7 and 9 p.m., Room 112 Kern.

Loretta Greiman, fute, 8 p.m., Music Bldg. Recital Hall.
Penn State Thespians, *Carousel*, 8 p.m., Schwab.

URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Sunday, May 11

University Chapel Service, 11 a.m., Eisenhower Chapel. Rev. Mr. John Dromazo, pastor, Pleasant Gap United Methodist Church, speaker.

Mothers Day Dance Concert, Penn State Internationale Dancers, 3 p.m., White Bldg. Dance Theatre.

Penn State Glee Club, 3 p.m., Schwab.

Week of May 12**Monday, May 12**

STS/Three Cultures Dialogue on "Science/Technology for War or Peace," luncheon, noon; presentation, 12:20 p.m., Room 101 Kern. Larry D. Spence, political science, on "Sociology and Economics of U.S. Scientific Research."

Sports: tennis (women), East AIAW Regional Championships, through May 16; baseball vs. Indiana, Pa. (DH), 1:30 p.m.

France-Cinema, *Children of Paradise*, 7 and 9 p.m., Room 112 Kern.

Tuesday, May 13

Comp. Lit. Luncheon, 12:15; talk, 1 p.m., Hotel State College. Albert Wendt, Western Samoa, on "Conflicts of Modernization in Pacific Literature."

Sports: baseball vs. Gettysburg, 3 p.m.
School of Music Common Hour, 4 p.m., Music Bldg. Recital Hall.

URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Wednesday, May 14

URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Jeff Smith, piano, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, May 15

Campus Colleagues meeting, 4:30-6:30 p.m., Assembly Room, Nittany Lion Inn.

URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Friday, May 16

Last day to sign Spring Term Emergency Loans, Room 108 Shields.

Sports: track (men), Penn State Open, 3 p.m.

URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Saturday, May 17

Sports: tennis (men) vs. Mercyhurst, 2 p.m.
URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Spring Term classes end, 9:55 p.m.

Week of May 19**Monday, May 19**

Final examinations.
Color Slide Club meeting, 7:30 p.m., Room 189 Materials Research Lab.

Tuesday, May 20

Final examinations.

College of Agriculture faculty meeting, 4 p.m., Room 301 Ag. Admin. Bldg.

Wednesday, May 21

Final examinations.

Thursday, May 22

Final examinations.

Friday, May 23

Residence Halls close for Spring Term, 3 p.m.

Week of May 26**Thursday, Friday, May 29-30**

Board of Trustees meeting, Keller Bldg.

Saturday, May 31

Commencement, 10:30 a.m., Beaver Stadium.

Exhibits

Chambers Gallery

Eleanor Drake-Lewis, experimental weavings; bronze cast sculpture by Fine Arts Students, March 10-April 2.
William Bradley, sculpture and drawings; ceramics by senior Fine Arts Students, April 7-23.

HUB Galleries

The Gallery
College of Arts and Architecture Exhibit,
"Original Drawings by Aldo Rossi, noted Italian Architect," March 7-22.
Master Works from the National Glass Conference, March 23-April 13.
Paintings of Two Pennsylvania Artists, Henry O. Tanner and Horace Pippin, April 13-May 10.

Jeanne Stevens-Sollman, ceramic sculpture, May 11-June 15.

Gallery Lounge

Ryan Nettles, sculpture, April 14-May 17.
Browsing Gallery
Festival for Special Children exhibit, through March 14.

Bruce Johnson, watercolors and prints, March 15-April 15.
Landscape Architects Design Awards exhibit, April 16-May 17.

Art Alley

Art Alliance of Central Pa. Members' exhibit, March 8-29.

Slavic Folk Art Festival exhibit, April 1-27.
Mike Starnier, pottery; Rome Hanks and Friends, group photo exhibit, April 28-May 17.

Kern Gallery

Beth J. Fogel, maps, through March 21.
Frederick J. Tarr, drawings, through March 31.
Nicholas Webb, ceramics, March 10-28.
Chen Chih Ming, ink drawings, March 22-April 13.

Ukrainian Club Easter display, April 1-12.

David Rubello, photographs and paintings, April 5-26.

Glass works, April 7-14.

Laveta Butler, ceramics, April 11-30.

Anne Curtis, ceramics, April 14-May 5.

Bob Bisset, photographs, April 27-May 17.

Matt Reitz, glass, May 2-23.

Museum of Art

Museum hours, 12-5 daily. Closed Mondays.

Tours, Sundays at 1:30 p.m.

Pennsylvania Prints from the Collection of John C. O'Connor and Ralph M. Yeager, through April 13.

Aspects of representation after World War II: works from the permanent collection, through May 4.

Chinese Export Porcelains from the Collection of Dr. and Mrs. Harold L. Tonkin, through May 11.

Recent works on paper by Diane Pepe, April 13-June 1.

Highlights from the permanent collection, April 27-June 8.

Pattee Library

East Corridor Gallery

Paintings by Beginners, PSU Dept. of Art, March 7-28.

Rome Hanks and Mary Edith Miller, photographs, March 28-April 18.

Nora Speyer, drawings, April 18-May 9.

Patricia O'Connor, paintings, May 9-30.

Lending Services Lobby

Maura Fadden, paintings and drawings, March 7-28.

Ann Mancini, photographs, March 28-April 18.

Steven Dervin, photographs, April 18-May 9.

Dennis Aumiller, photographs, May 9-30.

Rare Books Room

Black Artists, through March 10.

50th Anniversary Exhibit, Archaeological Institute of America, March 14-18.

History of Photography Week Exhibit, 19th century books and other memorabilia, March 10-25.

Robeson Cultural Center

Francis Couch, paintings, March 9-28.

Visual Arts Bldg. Zoller Gallery

Undergraduate Student Exhibit, through March 16.

National Glass Conference Exhibit, March 23-April 13.

Graduate Thesis Exhibit, April 19-May 16.

Seminars

March 6-16

Friday, March 7

Transportation Institute, J.D. Walter, Central Research Lab, Firestone Tire and Rubber Co., on "Cord-Rubber Composite Structures," 1 p.m., Transportation Institute Research Bldg. B Conference Room.

Tuesday, March 11

Organic/Inorganic Chemistry, A. Beatty, on "Dihydrofolate Reductase: Substrate and Inhibitor Complexes," 12:45 p.m., Room 333 Whitmore.

Astronomy, Donald E. Osterbrock, Univ. of California/Santa Cruz, Lick Observatory, on "Recent Research on Seyfert and Radio Galaxies," 4 p.m., Room 445 Davey.

American Society for Metals, Eric Bismiller, Yankee Atomic Electric Co., on "The Effects of Neutron Bombardment on Structural Steel," 7:30 p.m., Room 301 Seidle.

Wednesday, March 12

Philosophy of Sport, Henschel Leibowitz, psychology, on "Some Thoughts on the Role of Sports in a University," noon, Room 104 White.

Thursday, March 13

Chemistry, Koji Nakashishi, Columbia Univ., on "Biorganic Studies of Visual Pigments," 12:45 p.m., Room 333 Whitmore.

Physics, E. Merzbacher, Univ. of North Carolina, on "Quantum Physics of Dynamics," 3:50 p.m., Room 445 Davey.

Acoustics, William R. Savage, on "Comments on Musical Acoustics Research at the University of Iowa," 7:30 p.m., Room 303 Keller.

Friday, March 14

Philosophy, Dominique Jauch, Univ. of Nice, on "Is Hegel a 'Master Thinker' Hegel's Conception of Domination and Mastery," 4 p.m., Room 225 HUB.

News in Brief

(Continued from page 1)

Berlitz 'Requiem' to be sung by Choirs March 15

Berlitz Requiem will be performed by the University Choirs and the Nittany Valley Symphony Orchestra at 8:30 p.m. Saturday, March 15, in Eisenhower Auditorium. Tenor Alan Crabb will be the featured soloist.

The University Choirs have just returned from Pittsburgh, where the singers gave three performances of the Requiem with Andre Previn and the Pittsburgh Symphony Orchestra.

The choir is directed by Raymond Brown, professor of music.

Tickets for the performance are on sale at the choir office in Room 214 Eisenhower Chapel, and information may be obtained by calling the office at 865-6548. From March 10-14, tickets will be available at the Eisenhower Auditorium Box Office between 10 a.m. and 4 p.m. Prices are \$3 for orchestra and grand tier seats and \$2 for balcony seats.

French musicians in residence

The French duo of Adele Auriol, violinist, and Bernard Fauchet, pianist, will be in residence at the University from March 10-14 as part of their first North American tour. They will present a recital at 8:30 p.m. Monday, March 10, and a lecture-recital of French contemporary works, combined with a master class, at 4 p.m. Tuesday, March 11, both in the Music Building Recital Hall.

The Monday evening recital will feature a program of 20th century works, including Claude Debussy's Sonata in G minor, Bela Bartok's Sonata no. 1, and John Beall's Sonata no. 3, composed in 1975-76. Mr. Beall is currently composer-in-residence at West Virginia University.

Fauchet and Auriol, who are husband and wife, met as students at the National Conservatory in Paris, where they began their collaboration. In 1968 they were appointed Fellows of the Laurent-Vibert Foundation for Artists in Loumarin, Provence. During the past 10 years, they have performed in France, Germany, Spain

and Belgium and throughout Asia, Africa, Oceania and Latin America.

The duo's residency at the University is co-sponsored by the School of Music and the Institute for the Arts and Humanistic Studies. The recital and the lecture-recital and master class are open to the public.

Intensive English program

To help foreign students who lack familiarity with the English language, the University will offer an Intensive English Communication program, March 17 to May 16, and again June 16 to Aug. 8. Under certain conditions, the course may be taken for credit.

The program will enable prospective students to spend 25 hours a week studying English and the American culture. Admissions regulations of most colleges and universities require that students have a minimum score on the Test of English as a Foreign Language (TOEFL) of 525 to 550, and the course is designed to help students reach that level.

Further information may be obtained by calling 865-5141.

Berks position open

Dr. Harold Perkins, director of the Berks Campus, announces the availability of the position of Associate Director for Academic Affairs at that Campus.

The Associate Director for Academic Affairs is responsible to the Campus Director for administering all academic functions at the Campus. The position provides the opportunity to work with the various colleges and departments of the University in providing leadership in the professional development of faculty, in initiating new and innovative programs in resident instruction and continuing education, and in campus service to the community.

Applicants for this position should possess an earned Ph.D. degree and a minimum of five years' experience involving a combination of full-time teaching; scholarly pursuit, including preparation of proposals for external funding; and direct or participatory academic administrative experience.

A resume, with names of three references, should be forwarded to Dr. Harold Perkins, Director, Berks Campus, Department A1, Tulpehocken Road, P.O. Box 2150, Reading, PA 19608. Nominations and applications are due April 18, 1980.

Nominations sought

(Continued from page 1)

Barash. It is an annual award to a full-time member of the faculty, staff, or student body of the University at University Park who has contributed most, apart from regular duties, to human causes, public service activities, and organizations, or the welfare of fellow humans. This award carries a stipend of \$1,000. Previous recipients are Robert Welsh, Ronald Ross, Robert H. McCormick, Arnold Addison, and Charles H. Naginay.

125th

(Continued from page 1)

administered by the University."

The Senate resolution cites Penn State research for the many benefits it has brought to all Americans, including the first long-life rechargeable heart pacemaker, the field ion microscope which enabled a Penn State physicist to become the first person ever to see an atom, a method of prolonging the life of highway bridge decks and the creation of more than 180 varieties of 30 crop species.

But the University's greatest achievements, both resolutions state, are its students and its more than 235,000 graduates. More than half of them live and work in Pennsylvania today.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonsenior have been filled. This announcement is made for the University employees who are interested in promotion may apply by calling the Employment Division, 185-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m. March 13, 1980. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, sex (as provided by law), sex, or status as a disabled or Vietnam era veteran.

SUPERVISOR, CREDIT AND COLLECTION - COLLEGE OF MEDICINE, HERSHEY ACTION - In the preparation of policies, procedures, job description and conduct performance evaluations of the supervisors in area of responsibility. Responsible for managing of the accounts receivable relevant to days outstanding by payor class, financial class, etc. Interface with delinquent insurance carriers when late payment notices are detected to resolve all problems. Review and approve all time payment requests. Responsible for budget control for all areas of responsibility. Bachelor's degree in business administration or equivalent, plus 1-2 years of effective experience.

MEDICAL SOCIAL WORKER II - COLLEGE OF MEDICINE, HERSHEY - Function as liaison between physician, patient, family and community resources to promote coordination of comprehensive treatment plan. Coordinate internal and external services to meet needs of patients being treated by HMC. Provide counseling to patients and appropriate family members, utilizing individual and group work techniques. Master's social work or equivalent, plus 1-2 years of effective experience.

GRAPHIC ARTIST - UNIVERSITY DIVISION OF INSTRUCTIONAL SERVICES, University Park - Responsible, under general supervision, for the production of a wide variety of artwork (illustrations - realistic, biological and cartoon, drafting - graphs and charts of various kinds, and lettering - mechanical, typesetting, photographic and hand) to specific format standards: overhead transparencies, television, 35 mm. motion picture, displays and portable exhibits.

Minimum requirements are an associate degree or graduate of a two-year program from an art institute and a minimum of one year's effective experience. Knowledge of audiovisual aids and education methods is helpful.

SCIENTIFIC ILLUSTRATION AND PHOTOGRAPHIC ASSISTANT - COLLEGE OF MEDICINE, HERSHEY - Responsible to department chairman for the preparation of all graphs, prints, slides, etc. necessary for scientific research. Associate degree in art or drafting or equivalency and one to two years of effective experience.

TREASURER - STUDENT AFFAIRS, University Park - Responsible to the Director, Office of Student Affairs, for supervision, maintenance and internal control and accountability of the daily operation of the student organization financial accounts in the Associated Student Activities Office and for providing advisory assistance to student organizations in the maintenance of their accounts, as well as providing educational programs to enhance student organization treasurer's skills. Bachelor's degree, with major in accounting or a related field. Two to four years of effective experience required. Master's degree preferred. Should have demonstrated ability to supervise, train and direct other employees, and should be able to function in an educating capacity when working with student organization officers. Knowledge of mini-computer applications highly desirable.

MANAGER - TELECOMMUNICATIONS - OFFICE OF BUSINESS SERVICES, University Park - Responsible to the Director, Printing and Communications, for the planning, development and administration of the Telecommunications Operations. A bachelor's degree or equivalent, plus four to seven years of effective management or similar administrative experience in the telecommunications field are required.

UNDERGRADUATE STUDIES ADVISOR/CONSULTANT, Behrend College - Responsible to the Head of the Division of Undergraduate Studies, Behrend College, and assists in conducting the undergraduate enrollment, academic advising, educational counseling, career counseling and academic support programs and the development of services of the division. Master's degree or equivalent, plus one or two years' experience in college-level academic advising and counseling. College teaching experience is desirable.

ASSISTANT DIRECTOR, NURSING STAFF DEVELOPMENT, Hershey - Responsible to the Director of Nursing for the overall effective planning and administration of the In-Service Education Program of the Department of Nursing. Master's degree, plus two to three years, effective experience, plus graduation from an accredited school of nursing and current licensure in the state of Pennsylvania or proof of application for licensure are required.

York Campus grows with county population, industry

Edward M. Elias talks with the assurance and drive of a man who took the administrative reins of a fledgling technical-education program enrolling 26 students in a rented elementary school and helped transform it into a major university presence in a thriving metropolitan area.

Mr. Elias, director of Penn State's York Campus, has guided York's fortunes since 1950, when, packing a freshly-earned B.S. in electrical engineering from Lafayette College, he came to the southern-tier city as an instructor and administrator in charge of the York Center.

"We've always operated under the assumption that our job is to bring to the people of our service area all the resources of The Pennsylvania State University," Mr. Elias says. "We are Penn State at York and, as such, we really represent the tip of a higher education iceberg."

"We're also the educational brokers in this area, in that we try to find what the needs are in our service area and match them with the services the University can offer."

The predominant external factor currently challenging the York Campus is the rapid growth of York County, both in industry and population.

"I think the area's growth stems from the fact that the outer areas of the county, both north and south, are traversed by Interstate 83," Mr. Elias points out. "The southern part of the county, in fact, is slowly blending into the suburban Baltimore area."

"The entire area, particularly the southern part of the county, is booming economically. Industries are coming in at a phenomenal rate; because of this and the attractive living climate, population is growing quickly in southern York County, and we have a situation in which the school districts there are actually adding, rather than losing, students."

"In addition, our area has a healthy mix of agriculture and industry; it's not dominated by any major industry on which 5,000 or 10,000 people depend."

"The other factor that affects us directly is that York County traditionally has had a smaller proportion of its high schoolers going to college than the rest of the state," Mr. Elias continues. "This is essentially because there haven't been any institutions of higher education in the county until 20 years ago (the York Center was chartered as a Commonwealth Campus in 1959, offering associate degree programs only). We have only been offering the first two years of most baccalaureate degree programs for nine years, so we're just starting to make a big impact in that area."

Enrollments are increasing dramatically at York. The 955 full-time students matriculating for the 1979 Fall Term represented a 14.1 increase over the number enrolled the year previous. Baccalaureate degree programs experiencing the largest enrollment surges this year are: education, 50 percent; engineering, 20 percent; liberal arts, 52 percent; and science, 17.5 percent. Associate degree programs with the largest



Mr. Elias

increases are: mechanical engineering technology, 110 percent; letters, arts and sciences, 75 percent; and computer science (in which women outnumber men by a 2 to 1 ratio), 52 percent.

Mr. Elias is equally pleased by the quality of students attracted to the campus. "We feel very proud that York has produced more student marshals in the College of Engineering—five in all—than any other campus. And at the Winter Term graduation, the student marshal in the College of Science had started at York; he chose a York faculty member, Dr. James Burness, assistant professor of chemistry, to be honored with him for his 'high academic standards and his concern that students achieve their potential.'"

"We are getting some tremendously bright students in a variety of disciplines," he adds. "We have 15 students who scored over 1400 in their SATs."

Mr. Elias sees a direct relationship between the calibre of students at York and the quality of his faculty, the composition of which has changed considerably since the establishment of baccalaureate degree programs.

"In terms of hiring, it's been a buyer's market," Mr. Elias says. "We've had the tremendous advantage of being able to recruit some very excellent young Ph.D.s who want both to teach and to do research in a department of a major university."

We've been able to offer them the best of both worlds."

"And it's infectious for our students to study with faculty members who are excited by their disciplines—people who not only disseminate knowledge, but generate it as well in the true spirit of a university."

At present, more than 65 percent of York's faculty members have Ph.D.s, a proportion which promises to increase significantly within five years, as others complete their doctoral work.

"Many of our people are engaged in research which they've initiated themselves," Mr. Elias adds. "We have faculty members in the sciences and engineering who are doing important work without benefit of major laboratories. Our liberal arts people are extremely active scholars."

A recent newspaper article in *The York Dispatch* provides a sampling: Dr. Linda V. Itzoe, assistant professor of English, published "The Chapel-Church Motif in Pamela: An Analysis" in *Essays in Literature*; Dr. Leonard J. Berkowitz, assistant professor of philosophy, published "Achinstein on Empirical Significance: A Matter of Principle" in *Philosophy of Science*; Dr. John Dawson, assistant professor of mathematics, published "The Godel Incompleteness Theorem from a Length of Proof Perspective" in *The American Math Monthly*; Dr. Ernest A. Harrison, associate professor of chemistry, published two research-related articles in *The Journal of Organic Chemistry*.

In other ongoing research, Dr. Burness is attempting to make chemical compounds that act as models for vitamin B-12 and hemoglobin and, in another project, is studying the use of platinum in the treatment of cancer. Dr. John Medeiros, assistant professor of physics, is examining the physical activity in the eye that facilitates the perception of color.

Dr. George Caudle, assistant professor of physics, is developing a laser laboratory that will have 10 lasers in operation by this summer. In addition, to investigating chemical interactions with laser beams, he already is working with such area industries as Pfaltzgraf, Inc., and

Armstrong Cork Co. on potential applications of lasers to their products."

"The excellence of our faculty and their intellectual activities have given the York Campus a reputation for quality, and I think that constantly from people who live in this area," Mr. Elias notes. "This campus is viewed as a school that offers quality education—a place where students go only if they're prepared to work."

Also facilitating the university presence at the York Campus is the recently completed physical plant. Though York is a commuter campus without dormitories, it boasts a new Student Center erected in 1978 by virtue of a \$700,000 private giving campaign. The campus also boasts a library, a gymnasium, tennis courts and athletic fields. The main classroom building houses the academic and administrative offices, the computer science center, science laboratories and the conference center.

"All the ingredients have fallen into place," Mr. Elias explains. "Our physical plant is complete, and we have first-rate educational programs taught by quality faculty members. In addition, we are easily accessible and financially reasonable."

A major part of York's mission is Continuing Education, which annually enrolls more than 5,000 people. Last year, York's Continuing Education experienced a 20 percent enrollment increase over the previous year. The bulk of the growth was workshops, seminars and clinics, with these programs increasing 79 percent in number.

An example of Continuing Education at York is the current program at Bowen-McLaughlin, a local industry where faculty members are training 200 front-line supervisors in communications, organization, motivation and human relations.

Many of the campus's initiatives in Continuing Education have resulted from suggestions by Campus Advisory Board members. "Without them," Mr. Elias says, "I don't think this campus would exist. They've been instrumental in establishing a close link between the community needs and what we can do to satisfy those needs. Our direct impact on the community is due largely to the effectiveness of our advisory board."

The board has been the catalyst for setting up annual and ad-hoc giving campaigns, and also has established a new endowment fund.

"I think our board is excited about the idea of a university in the York area," Mr. Elias says. "In many ways, they've indicated their support for faculty research because the bulk of monies raised in annual giving campaigns is used to initiate faculty research projects. They're also raising money for student scholarships. All of the funds they help to raise are used to enhance quality and scholarship."

"People in the area are realizing the value of having The Pennsylvania State University at York," Mr. Elias concludes. "We have the resources, and we're ready to serve them. That's why we're here."



Top: Student Center is newest Campus building; it contains snack bar, game room, study lounge, bookstore, and offices. Left: The Campus library. Right: Addition to main classroom building dwarfs the original structure at left.

Penn State Intercom

Phys. Ed. Ph.D. program is rated best in country

Penn State's doctoral program in physical education has been named the best in the country in a new survey of 112 prominent U.S. physical educators.

The study, which ranked all 60 programs leading to the Ph.D. in physical education in the United States, was based on ratings from directors of those programs and from Active Fellows of the American Academy of Physical Education, the national academy of outstanding scholars and researchers in the field.

"We're pleased that Penn State's program has received this kind of recognition from some of the leading professionals in the field," Dean Robert J. Scannell of the College of Health, Physical Education and Recreation said.

"We have a dedicated and talented graduate faculty, and there is indeed much about Penn State's program that makes it unique and exciting."

Currently, there are 38 Ph.D. candidates in the program.

John A. W. Baker, a faculty member at the University of Iowa, conducted the study. It was an attempt to select, for the first time, the best programs in the country and to outline common characteristics.

The University of Iowa was second to Penn State in the rankings. Other top-ranked schools were the University of Illinois, third; University of California at Berkeley, fourth; and University of California at Los Angeles, fifth.

Dr. Baker compiled his information from questionnaires sent to the directors of all 50 U.S. Ph.D. programs in physical education and to 96 AAPE Fellows. He received 112 usable responses.

Later, he made personal visits to the five highest-ranked institutions for interviews with faculty members, graduate students, department heads and program directors.

The rankings of the top five schools did not change when opinions of physical educators who were affiliated with those schools or who had received degrees from them were excluded.

The study involved the use of techniques outlined in the Roosevelt Anderson report.

University Scholars Program to begin in Fall Term

The University Scholars Program, established last year by the Senate, will begin enrolling students in Fall Term 1980, according to its director, Dr. Paul Axt.

Progress and problems in planning the program were described by Dr. Axt at the March meeting of the Senate, and he noted that further enabling legislation will be presented at the April 1 meeting. Funding for the program has been provided by the Provost.

"The attempt," Dr. Axt said, "is to put together for very good students a very special program which will develop their talents and their abilities in ways we now can't do or are not doing. This means a selection process."

Stressing that the selection process should be flexible because it is bound to be imperfect, Dr. Axt said that at a minimum it should "provide us with a certain set of really good students who can make maximum use of the kind of effort that we want to expend."

The program will begin by recruiting entering freshmen, probably with SATs upwards of 1300 and with predicted GPAs of 3.35 (science) or 3.5 (non-science). Dr. Axt noted that these figures could be

adjusted as experience was gained with the program.

Since some worthy candidates will inevitably be omitted under these selection criteria, students can also qualify by doing distinguished work in their freshman year. On the other hand, students who do not make appropriate use of the program or who do not meet program standards (Dr. Axt suggested a 3.2 GPA, although he stressed that this figure was not final) would not be retained.

Students will have another opportunity to qualify for the Scholars Program at the end of their sophomore year. In this case, the selection process will be different since the intent will be to find students who have completed most of their BDR requirements and who are likely to do "exceedingly well" in their majors.

Dr. Axt estimated that there might be 150 freshmen and 150 sophomores in the program next fall.

"Doubling that by 1982 would bring 600 students into the program, and I would think that with some serious efforts at recruitment, the number might reach 1,000 in a few years," Dr. Axt told the Senate. "I know that at some other

universities of about the size and character of Penn State, the number is about 1,100 or 1,200."

For students enrolled in the program next fall, there will be some 45 to 50 special honors sections of courses which they may take to satisfy BDR requirements. These courses, which will be taught by committed senior faculty members, run the gamut from chemistry and mathematics to English and sociology.

The establishment of special courses for students in the Scholars Program is also under consideration.

"Setting up such courses requires serious effort, and we want to give ourselves more time to think about them," Dr. Axt explained. "We hope that at least a few will be in place next year."

Independent study will be another option, as well as what Dr. Axt termed "honors-supplement courses." These may be either general education or major courses in which the students agree in advance with their instructors to do extra work. Graduate courses will also be available to students who can benefit from them.

(Continued on Page 8)

News in Brief

Mountaineer to speak

Vera Komarkova, a member of the first woman-led expedition to conquer a major world mountain—Mount Annapurna—and one of two women to reach the summit will present an illustrated talk on the expedition at 8 p.m. Sunday, March 16, in Eisenhower Auditorium.

Next fall, Ms. Komarkova hopes to lead a party of six women in an assault on the world's sixth highest mountain.

Dhaulagiri, in Nepal (Annapurna is the tenth highest). Their route to the summit will be either the Northeast Ridge or the treacherous Pearo Route, which has been attempted six times but never completed.

The talk is being presented by Colloquy in recognition of National Physical Education and Sport Month. It is co-sponsored by the College of Health, Physical Education and Recreation; the Outing Club; USC's Department of

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Women's Services; and Appalachian Outdoor House.

Four Press volumes picked as Outstanding Academic Books

Four Penn State Press books have been selected as Outstanding Academic Books of 1979 by Choice, publication of the

(Continued on page 7)

Senate approves "Bulletin" guidelines

President Oswald predicted "rather quick action" on the University's 1980-81 budget request since Pennsylvania's legislators are facing an election year and will make every effort to conclude their deliberations as soon as possible after July 1.

The prediction came at the March 4 meeting of the University Faculty Senate at which Dr. Oswald announced that the first hearing on the budget would take place March 12 before the House Appropriations Committee.

Senators were informed that their May 6 meeting will be held at the Altoona Campus.

The Senate gave unanimous approval to the only legislative item on its docket, guidelines proposed by the Committee on Curricular Affairs to be used in writing program descriptions for *The Baccalaureate Degree Programs Bulletin* and the *Associate Degree Programs Bulletin*.

In presenting the recommendations, Senator Eugene S. Lindstrom noted that the current legal climate makes it dangerous to make any claims the University cannot fulfill. "Some program descriptions all but guarantee the successful graduate a job upon successful completion of the program . . . and could result in a lawsuit from a graduate unsuccessful in the job quest," he said.

The Subcommittee on Developing Guidelines for Program Descriptions recommended that descriptions be limited to about 200 words or about 15 lines in the catalog. Approximately one-fourth of the program descriptions currently exceed this word limitation. The Subcommittee also recommended that program descriptions in all catalogs be reviewed.

The Senate received several informational reports.

John F. Kavanaugh, chairman of the Committee on Academic and Athletic Standards, presented a summary of the Committee's actions on petitions. Between

(Continued on Page 5)

New apple variety will honor Penn State sociologist

A variety of apple previously unknown in the United States may soon be growing at Penn State—a memorial from a University sociologist to a colleague.

The apple, *Reinette Simirenko*, was developed early in the century in the Ukraine by a noted agricultural scientist, Lev Simirenko, whose grandson, Alex, was professor of sociology at Penn State from 1969 until his death last April.

"Alex was an outstanding scholar and the most generous and warm-hearted of men," recalls Dr. George A. Theodorson, professor of sociology. "He used to tell me about this apple, which he had enjoyed eating as a child in the Ukraine. Alex was always doing things for other people, so I decided to try to locate the apple for him."

Dr. Theodorson contacted agricultural scientists across the country without results but he finally discovered a "tree museum" in Great Britain that had grown the Simirenko apple.

"Many of the Simirenko apple trees in the Ukraine and Russia were destroyed in the thirties," Dr. Theodorson reports.

"Lev Simirenko was sent to Siberia as a revolutionary. His son, Volodymyr, Alex's father, and a leading horticulturist, was arrested in 1933 for not following Marxist theories of biology. He was released for six months and then rearrested to vanish into the Gulag forever. At that time, the authorities vindictively destroyed as many trees as they could find. Volodymyr was rehabilitated posthumously; but by then his family had fled the country, and the hardships which they suffered irrevocably undermined Alex's health. He was only 47 when he died."

To import a new species of plant into the United States requires a license from the U.S. Department of Agriculture, which Dr. Theodorson applied for and obtained.

A cutting from a Simirenko tree, the scion wood, arrived in this country just two weeks before Alex Simirenko's death; but he was too ill for the long-awaited event to make any difference.

"The cuttings are currently quarantined in a U.S.D.A. facility in Maryland," Dr. Theodorson continues. "There they were

grafted onto trees to await virus indexing. Only when it has been established that they will transmit no new viruses into the country will bud wood be shipped to me."

In preparation for this event, Dr. Theodorson has been practicing grafting plant materials—although he thinks he may ask a Penn State pomologist in the College of Agriculture to look over his shoulder to insure success. He also plans to donate a cutting to the University in the name of Alex, his wife, and two daughters. Although they once tried to destroy the apple, the Soviets now think so highly of it that they have sent Simirenkos as a treat to their cosmonauts in space.

Dr. Theodorson hopes that establishing the apple as a new variety will help keep Alex Simirenko's memory alive. In a piece he helped prepare for a publication of the American Sociological Association, he wrote: "Alex made fiercely loyal friends. . . friends never felt embarrassed to say that they loved this gem of a human being."

Penn Staters

Dr. Parris Chang, professor of political science, was invited to testify last week before the Senate Foreign Relations Committee. He discussed the serious external and domestic problems facing Taiwan.

Provost Edward D. Eddy has been appointed to the first Editorial Advisory Board of the newly expanded and revised *Educational Record*, the monthly journal of higher education published by the American Council on Education. Dr. Eddy has also been asked by Pennsylvania's Secretary of Education, Dr. Robert Scanlon, to serve as a member of the Advisory Committee to the Pennsylvania Enrollment Planning Project. The Project will attempt to gather projections for all Pennsylvania colleges and universities over the next decade and to analyze the likely effects of changes in demand on different types of institutions within various geographic regions.

Dr. George T. Harrell, founding provost and dean of Hershey Medical Center and the College of Medicine, was awarded an honorary Doctor of Science degree by the University of Florida College of Medicine at the 20th anniversary reunion of its first graduating class on March 7. Dr. Harrell also was the founding dean at Florida's College of Medicine — the first administrator in the United States to design and develop two medical schools from the ground up.

Dr. Barbara J. Garrison, assistant professor of chemistry, and Dr. Stephen G. Simpson, assistant professor of mathematics, are among the 78 outstanding young scientists from 45 universities in the United States and Canada selected to receive Sloan Foundation Fellowships for basic research this year.

According to the Foundation, the fellowships are designed to permit added freedom and flexibility for the most creative young researchers. The awards are among the most prestigious grants of their type.

A theorist, Dr. Garrison focuses in her research program on new approaches needed to understand chemical bonding and the structure of atoms and molecules as they interact with metal surfaces. The research has potential applications in the development and enhancement of industrial catalysts.

Dr. Garrison, who joined the Penn State faculty last year, also recently received a special grant for outstanding young faculty members from the Camille and Henry Dreyfus Foundation. She served previously as a visiting assistant professor of chemistry and postdoctoral assistant at Purdue University. She also served as a lecturer in chemistry at the University of California, Berkeley, where she earned her doctoral degree in 1975.

Dr. Simpson focuses on foundations and logic in his research program. He is currently on leave at the University of Connecticut as a visiting professor.

He joined the Penn State faculty in 1975 after serving as a lecturer for a year at Oxford University, England. Previously, he was a lecturer at UC-Berkeley and J. Willard Gibbs Instructor at Yale University.

Dr. Simpson earned his doctoral degree at the Massachusetts Institute of Technology in 1971 and B.A. and M.S. degrees at Lehigh University.

His research is supported by grants from the National Science Foundation.

Several colored pencil drawings by Richard Alden, assistant professor of architecture, have been accepted for display at the Uptown Gallery in New York City and the Holman Gallery of Trenton State College, as part of the Trenton National Print Exhibition 1980.



Dr. Joseph Jordan, professor of chemistry, was honored recently for 25 years of service to the University.

Since joining the Penn State faculty in 1954, he has directed the research of 60 doctoral and postdoctoral students, about two dozen of whom now hold faculty positions at various universities. He is the author or co-author of more than 120 research publications and has established himself as an internationally recognized pioneer in two important branches of analytical chemistry, enthalpic analysis and bioelectrochemistry.

In 1978 he was honored for the broad range and high quality of his contributions as a teacher and researcher with the Benedetti-Pichler Award of the American Microchemical Society.

Most recently, he has demonstrated his characteristic pioneering spirit by beginning a comprehensive research program on resource development in the analytical chemistry of sulfur compounds for coal conversion and coal-based technologies and by his involvement in a new interdisciplinary project on the electrochemistry of photovoltaic cells for solar energy research.

Active as a scientific ambassador, he has established and fostered exchange programs in electrochemistry between the University of Strasbourg in France and Penn State's Chemistry Department. He has also been active on the international scene as chairman of the Commission on Electrochemistry of the International Union of Pure and Applied Chemistry (IUPAC).

He has held visiting professorships and endowed lectureships at the University of California, Berkeley; Cornell University; Wayne State University; Hebrew University, Israel; the Swiss Federal Institute of Technology; and the University of Paris, France, where he was a Fulbright Lecturer.

In 1973 he was co-chairman of the first Japanese American Seminar on Non-Aqueous Electrochemistry in Tokyo. He is a member of the Committee on Symbols, Units and Terminology of the National Research Council and of the Evaluation Panels for the U.S.-Israel Binational Science Foundation.

In addition, he is currently a member of the editorial board of the journal, *Analytical Letters*, and editor-in-chief of the monograph series, "Treatise in Titrimetry." Previously, he served on the editorial boards of *Analytical Chemistry* and *Talanta*.

A native of Rumania, Dr. Jordan spent his student days in Israel, where he earned his doctoral degree at the Hebrew University of Jerusalem. He came to the U.S. in 1950 as a research fellow at Harvard University and later served at the University of Minnesota before joining the Penn State faculty in 1954.

In recognition of his tireless efforts in behalf of the community, Robert E. Dawson, director of the Worthington Scranton Campus from 1958 until his retirement in 1971, has been named as the recipient of the 1980 Americanism Award by Amos Lodge No. 136 of the B'nai B'rith. Recipients of this honor are selected by representatives of the Scranton Chamber of Commerce, Junior Chamber of Commerce, Kiwanis Club, Lions, Rotary, the Amos Lodge, and past award recipients.

Dr. Paul W. Todd, professor of biophysics, has been named a member of the editorial board of *Cytometry*, the new journal of the Society for Analytical Cytology.

Albert J. Miller, associate librarian at New Kensington, has been appointed to the Library-College editorial and advisory board.

Retirements

Charles Shilke, manager of the University Park Airport, has retired after nearly 17 years of service to the University.

Since he took over management of the airport in 1962, it has expanded from a small training and research facility to an important commercial flight center.

Mr. Shilke came to Penn State from Sioux Falls, S.D., where he had been vice president and general manager of an aviation firm. A native of Frederick, MD, Mr. Shilke was a U.S. Air Force pilot during World War II, serving in the European Theatre where he was awarded the Distinguished Service Cross and the Air Medal with eight clusters. He retired from the Air Force Reserve with rank of lieutenant colonel.

You could say that Emma A. Kline was "fingered" for her job!

Ms. Kline, a baker, utility, with Housing and Food Services, retired Feb. 23, but when she started her Penn State service in 1964 she was hired for the University's newly established vending service.

"There were two young men already working in the operation," she recalls, "but their fingers weren't small or nimble enough to do the wrapping of items for the machines so I was hired."

After four years in vending, Ms. Kline was transferred to the bakery, where she turned out thousands of pies, cookies, donuts, and the like, as well as prepared "tons" of icings and frostings.

Her husband, Clarence, retired as a cook at Redbird Dining Hall two years ago. One of the couple's sons, Larry Keith, received a master's degree in nuclear engineering from Penn State in 1964, and a second son, Kevin Brian, earned his B.S. at the University last year.

Violet E. Rader, an environmental health worker at Hershey since July 26, 1974, retired Feb. 22.

Emmett G. Mesarik, a store room clerk at Hershey, retired Feb. 2. He joined the staff July 2, 1973.

Obituaries

Dr. Paul J. Glantz, professor emeritus of veterinary science, died March 4 at the age of 59. Recognized for his research on identifying unknown disease-producing bacteria in the intestines of newborn calves and pigs, Dr. Glantz served on the faculty from 1944 to 1979.

A Pittsburgh native who became totally deaf at age 16 due to meningitis, he graduated from the DePaul Institute for the Deaf and Langley High School and, in 1943, received a B.S. in bacteriology from the University of Pittsburgh.

He became an instructor in the Department of Veterinary Science in 1948, after receiving his M.S. in bacteriology from the University. He got his Ph.D. from Penn State in 1958. Dr. Glantz established and maintained an *E. coli* Reference Center at Penn State, the only such center for animals in the country.

Dr. Earl E. Edgar, from 1961 to 1967 professor of education at Penn State, died Feb. 24 at the age of 66. At his death, he was vice president of academic affairs at Youngstown State University.

Robert F. Hoover, an engineering aide with the Applied Research Laboratory, died March 6 at the age of 46. Mr. Hoover earned an associate degree in electrical technology at Penn State in 1955 and joined the staff of ARL in 1961.

Jack F. Schinagl, who headed the department of Agricultural Communications for more than 15 years, died March 4. Mr. Schinagl, who was 65, held B.S. and M.S. degrees from the University of Wisconsin. He retired from the staff in 1974.

Dorothy G. Smith, a secretary in the College of Agriculture from 1949 to 1964, died Feb. 14 at the age of 78.

Joseph E. Peters, a foreman, Service Desk dispatcher with the Office of Physical Plant, died Feb. 24. Born Nov. 13, 1915, West Decatur, PA, Mr. Peters joined Penn State's staff in 1970 as a janitorial foreman and was promoted in 1978.

Nevin L. Bailey, a janitorial foreman with the Office of Physical Plant at his retirement last year, died March 1. He was 63 years of age. Born in Spring Mills, PA, Mr. Bailey began work at Penn State in 1962 and was promoted in 1969.

Charles E. Reeder, who joined the University's staff in 1941 and retired as a painter group leader in 1968, died Feb. 16. A native of Tyone, he was 75.

Elsewhere in Academe

Tuition rates to rise

Tuition rates will rise sharply at both public and private colleges and universities across the nation next fall.

In the Commonwealth, a 16 percent increase in student fees has been ordered at the 13 state colleges and Indiana University. Undergraduates will pay \$1,100 a year instead of the \$950 fee which was set in 1978.

Both Kentucky and Texas are considering recommendations for increased tuition rates in public colleges and universities. In California, where a June referendum could produce a 50 percent reduction in state personal income taxes, students at University of California branch campuses may find an added \$1,600 tuition charge on their bills. Currently, they pay about \$750 a year in fees.

Among private universities announcing tuition increases, M.I.T. will hike its tuition 17 percent (to \$6,200); Stanford has announced a 12.3 percent increase (to \$6,285); and Harvard will charge \$6,000, an increase of 13.2 percent.

IUP requests status change

The Board of Trustees of Indiana University of Pennsylvania voted last month to explore ways for the school to become "a separate and distinct university." The decision was motivated by IUP's belief that its share of the funds allocated to the state college and university system is too small.

For 1980-81, the State is proposing to give IUP 12.9 percent of the system's allocation. IUP says it will exceed 17 percent of the students in the system and needs more revenues. It notes, for example, that the total maintenance budget for the campus is only \$300,000.

In a statement sent to top state officials, IUP president, Dr. John E. Worthen, said "IUP has developed . . . toward a broad-based university with a mission which lies between that of the large research-oriented state-related universities and the smaller state-owned colleges."

Dr. Worthen said that the school, which plans to hold its enrollment to about 12,000 students, will continue to emphasize sound liberal arts education and develop cooperative programs with professional schools. IUP would enter "research areas" only when the University "can provide an important service to the Commonwealth"; Dr. Worthen mentioned coal research as such an area.

University Park Calendar

March 13-23 Special Events

Thursday, March 13
Sports: fencing (men), NCAA Championships, through March 15.
Jazz Festival, Travia, noon, HUB Assembly Hall, Barry Miller/Eric Kloss and Waterland Quartet, 8 p.m., Schwab.
CSA videotape, "Best of Johnny Carson," 1 p.m., Kern Lobby.
HUB 25th Anniversary Celebration Dinner, 4:45-6:45 p.m., HUB Terrace Room.
HUB Craft Center, Open House, 7:30-9:30 p.m., Room 312 HUB.
HUB 25th Anniversary Celebration, on the Waterfront, 2:30-7 and 9:30 p.m., HUB Assembly Room. Free.
CSA workshop, Lissie Martoff on "What's Your Racquet?—How to Select and Maintain," 7:30 p.m., Room 101 Kern.
Forest Products Research Society Lecture, 8 p.m., Room 304 Forest Research Lab. John Meyer, Syracuse Univ., on "Commercial Application of Wood-Plastics."

Friday, March 14
Sports: swimming and diving (men), NCAA Qualifying Diving Meet, through March 15.
Jazz Festival, Arthur Goldstein Trio, noon, HUB Main Lounge; Appalachian Swing Quartet and Quintessence, 8 p.m., Room 102 Kern.
STS/Three Cultures Dialogue on "Science/Technology for War or Peace," luncheon, noon; presentation, 12:20 p.m., Room 101 Kern. Geoffrey T. Wilson.
Materials Research Lab., on "Justification for Academic Participation in Weapons Research."
Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Arthur Goldschmidt, history, on "The Contemporary Mid East: Problems and Prospects."

HUB 25th Anniversary Celebration Dinner, 4:45-6:45 p.m., HUB Terrace Room.
Commonsplace Theatre, *Jim Hendrix*, 7 and 9 p.m., Room 112 Kern.
Margaret Lecrone, violin, 8:30 p.m., Music Bldg. Recital Hall.
HUB 25th Anniversary Celebration Dance, Phi Mu Alpha Dance Band, 9 p.m., HUB Ballroom.

Saturday, March 15
Jazz Dance Workshop, 1 p.m., Walnut Bldg. France-Cinema, *Get Out Your Handkerchiefs*, 7 and 9 p.m., Room 112 Kern.
Sports: gymnastics (men) vs. LSU and (women) vs. Rutgers, both at 8 p.m.
* University Choir, *Berlioz, Requiem*, 8:30 p.m., Eisenhower Auditorium.

Sunday, March 16
Free University, course registration, 11 a.m.-3 p.m., Robeson Cultural Center.
University Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Derald Stump, Episcopal Student Assn., speaker.
Sports: bowling (men) vs. Villanova, 1 p.m. Annette Terogrosa, cello, 3:30 p.m., Music Bldg. Recital Hall.
Commonsplace Theatre, *Jim Hendrix*, 7 and 9 p.m., Room 112 Kern.
* HPER week guest speaker, Vera Komarkova, American Women's 1980 Climbing Expedition to Dhaulagiri I, Nepal, 8 p.m., Eisenhower.
Evening with the Arts, Hugh Ward, Irish folk-singer and folklorist; 8:30 p.m., HUB Ballroom.

Monday, March 17
Jazz Festival, Jerry Zolten and five Bombers, noon, HUB Main Lounge; films, "Liquid Jazz" and "New Orleans Jazz Museum," all day, HUB Assembly Hall; *The Danceband*, 8 p.m., HUB Ballroom.
Dr. Peter Winkler, SUNY-Stony Brook, "Jazz, Pop and Rock in the 70s," 3 p.m., Music Bldg. Recital Hall. Also March 19.
St. Patrick's Day Candlelight Dinner, 4:45-6:45 p.m., HUB Terrace Room.
Shakespeare film, *A Midsummer Night's Dream* (Hall/Rigg), 6:30 p.m., Room 101 Chambers France-Cinema, *Get Out Your Handkerchiefs*, 7 and 9 p.m., Room 112 Kern.
Volunteer Service Center orientation, 7 p.m., HUB Reading Room. Also March 18 and 19.
Color Slide Club meeting, 7:30 p.m., Room 189 Materials Research Lab.
GSA, St. Patrick's Day Social, Jim Corr and Friends, 8 p.m., Room 101 Kern.



This print was part of a Fritz Goro photo essay in the Aug. 23, 1937, issue of *Life* Magazine. European influences on *Life* will be discussed March 20 as one of six 1930 Photography Events. See story, page 7.

Tuesday, March 18
Jazz Festival, Phi Mu Alpha Band, noon, HUB Main Lounge; lecture, Peter Winkler, music, on "History of Jazz," 2 p.m., HUB Main Lounge; Penn State Jazz Blue Band and State College High School Jazz Band, 8 p.m., HUB Ballroom.
Comp. Lit. Luncheon, 12:15; talk, 1 p.m., Hotel State College. Paul West, English, reads from his new novel *The Very Rich Hours* of Count von Stauffenberg.
School of Music Common Hour, 4 p.m., Music Bldg. Recital Hall.
Shakespeare film, *A Midsummer Night's Dream* (Hall/Rigg), 6:30 p.m., Room 112 Chambers.
Comp. Lit. Film Series, *Tacchella, Blue Country*, 7 and 9 p.m., Room 112 Kern.

Wednesday, March 19
Late registration deadline.
Add deadline.
Jazz Festival, films, "Liquid Jazz" and "New Orleans Jazz Museum," all day, HUB Assembly Hall; Paul Pute and Ed McGuire, 8 p.m., HUB North Lounge.
Campus Colleagues meeting, 4:30-6:30 p.m., PSU Women Coaches Panel, Assembly Room, Nittany Lion Inn.
Sports: volleyball (men) vs. Pittsburgh, 7 p.m.
* IAHS, History of Photography Lecture, 8 p.m., Room 101 Kern. J. McElroy, Univ. of Arizona, on "Early Photography in Peru."
Shakespeare film, *Richard II* (BBC), 8 p.m., Room 304 Boucke.
* Alard String Quartet, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, March 20
Penn State Annual Invitational Film Festival, Rooms 102 and 112 Kern, through March 22.
Jazz Festival, Michael Dennis, jazz guitar, noon, HUB Assembly Hall; Tarnished Six, 8 p.m., HUB Ballroom.
Phi Delta Kappa Initiation, 5 p.m., Room 112 Kern. Banquet, 6 p.m., Nittany Lion Inn.
* IAHS, History of Photography Lecture, 8 p.m., Room 101 Kern. Zoe Smith-Stetensko, Univ. of Tulsa, on "The Style of Life: The Influence of European Photographers and Picture Editors on Life Magazine."

Friday, March 21
Board of Trustees meeting, Capitol Campus.
Deadline to sign up for Spring Term Group Health Insurance for graduate students, Room 305 Kern.
Sports: gymnastics (women), EIAIW Championships, through March 22.
Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. E. Willard Miller, assoc. dean, E & MS, speaker.
Commonsplace Theatre, *The Harder They Come*, 7 and 9 p.m., Room 112 Kern.
Jazz Festival, Bravura/Sonny Fortune, 8 p.m., Eisenhower Auditorium.

Saturday, March 22
Board of Trustees meeting, Capitol Campus.
France-Cinema, *Autumn Sonata*, 7 and 9 p.m., Room 112 Kern.
Sports: volleyball (men) vs. Ohio State, 7 p.m. GSA Cabaret, 8 p.m., Room 102 Kern.
Alliance Francaise Scholarship Benefit Concert, 8:30 p.m., Music Bldg. Recital Hall. Phyllis Triolo and others, French Chamber Music.

Evening with the Arts, Will Stutts, one man show depicting Mark Twain and Edgar Allen Poe, 8:30 p.m., Schwab.

Sunday, March 23
Pan-Hell, Women's Awareness Week, through March 29.
University Chapel Service, 11 a.m., Eisenhower Chapel. Dr. James Martin, psychology, PSU, speaker.
Zoe Pappas, cello, 3:30 p.m., Music Bldg. Recital Hall.
Commonplace Theatre, *The Harder They Come*, 7 and 9 p.m., Room 112 Kern.

Seminars

Thursday, March 13
Chemistry, Koji Nakanishi, Columbia Univ., on "Biorganic Studies of Visual Pigments," 12:45 p.m., Room 333 Whitmore.
Physics, E. Merzbacher, Univ. of North Carolina, on "Quantum Physics of Damping," 3:30 p.m., Room 445 Davey.
Meteorology, Leif Kristensen, Riso National Laboratory, Denmark, on "Special Coherence in the Atmosphere," 3:55 p.m., Room 112 Walker.
Acoustics, William R. Savage on "Comments on Musical Acoustics Research at the University of Iowa," 7:30 p.m., Room 303 Keller.

Friday, March 14
Philosophy, Dominique Janicaud, Univ. of Nice, on "Is Hegel a Master Thinker? Hegel's Conception of Domination and Mastery," 4 p.m., Room 225 HUB.

Tuesday, March 18
Plant Pathology, Kenneth F. Baker, USDA-Ornamental Plants Research Lab., Corvallis, Oregon, on "Historical Perspectives on Seed Pathology," 9:45 a.m., Room 213 Buckhout.
Chemistry, L. Wagner, on "Photochemistry of Carbonyl Complexes of Man and Re," 12:45 p.m., Room 333 Whitmore.
Mathematics, David Salzman, Yale Univ., on "Generic Galois Extensions," 4 p.m., Room 103 McAllister.
Chemistry, Engelbert Ciganek, DuPont, on "Some Aspects of the Intramolecular Diels-Alder Reaction," 8 p.m., Room 333 Whitmore.

Thursday, March 20
Chemistry, Paul R. Schimmel, MIT, on "Recognition of t-RNAs," 12:45 p.m., Room 333 Whitmore.
Economics, Susan Rose-Ackerman, Yale Univ., on "Risk-Taking and Re-election: Does Federalism Promote Innovation?," 2 p.m., Room 124 Sparks.
Anthropology, Peter Cavanagh, on "From Gorillas to Marathon Runners: A Biochemical Approach to Primate Locomotion," 3:30 p.m., Room 107 Carpenter.
Physics, Joseph Sucher, Univ. of Maryland, on "Is There a Strong Van Der Waals Force Between Hadrons?," 3:50 p.m., Room 445 Davey.
Meteorology, Alan Davenport, Univ. of Western Ontario, on "The Mechanisms of Structural Damage by Wind," 3:55 p.m., Room 112 Walker.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Engineering, J.H. Horlock, Univ. of Salford, on "Flow in Turbomachines—Physical Concepts and Some Methods of Calculations," 4 p.m., Room 105 Mech. Eng.
Mathematics, A.O.L. Atkin, Univ. of Illinois, on "A Monstrous Modular Computation," 4 p.m., Room 103 McAllister.
CSPD, Murray Levine, State Univ. of New York, Buffalo, on "The Adversary Model and Other Qualitative Approaches to Evaluation in Mental Health and Other Social Programs," 8 p.m., Room 5-209 Human Development.

Friday, March 21
Electrical Engineering, Mordehai Heiblum, IBM, Yorktown Heights, on "Edge-Mom: An Integrated Optical Device. Will It Make an Optical Transistor Possible?," 3:30 p.m., Room 329 EEE.
Aerospace Engineering, Robert Larguer, Office of National D'Etudes et de Recherches Aérospatiales (ONERA), France, on "Recent Research Work on Unsteady Flow in Turbomachines at ONERA," 4 p.m., Room 214 Hammond.

Exhibits

Chambers Gallery: Eleanor Drake-Lewis, experimental woodprints and stone sculpture by Fine Arts Students, through April 2.

HUB Galleries: * College of Arts and Architecture exhibit, "Original Drawings by Aldo Rossi, noted Italian Architect," through March 22; Master Works from the National Glass Conference, opens March 23. The Gallery. Festival for Special Children exhibit, through March 14; Bruce Johnson watercolors and prints, opens March 15. Browning Gallery. An Alliance of Central Pa. Members' exhibit, through March 29, Art Alley.

Kern Gallery: Beth J. Fogel, mapsaces, through March 21; Fredrick J. Tarr, drawings, through March 31; Nicholas Webb, ceramics, through March 28; Chen Chih Ming, ink drawings, opens March 22.

Museum of Art: Pennsylvania prints from the collection of John C. O'Connor and Ralph M. Yeager, through April 13; Aspects of representation after World War II—works from the permanent collection, through May 4; Chinese export porcelains from the collection of Dr. and Mrs. Harold L. Tonkin, through May 11.

Pattee Library: Drawings by Janice Becker, through March 21, East Corridor Gallery. Maura Fadden, paintings and drawings, through March 28. Lending Services Lobby. 50th Anniversary Exhibit, Archaeological Institute of America, March 14-18: "History of Photographs" week exhibit, 19th century books and other memorabilia, March 18-25. Rare Books Room.

Robeson Cultural Center: Francis Couch, paintings, through March 28.

Visual Arts Bldg. Zoller Gallery: Undergraduate Student Exhibit, through March 16; National Glass Conference Exhibit, opens March 23.

* Asterisk indicates event tied in with Penn State's 125th anniversary year.

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The Joint Faculty/Administrative Commission to Review and Make Recommendations on University Policy Governing Promotion and Tenure (PS-23), established in October, 1977, has recently completed its study and has submitted its report to the President and the Chairman of the Senate. In turn, the report has been forwarded to the Senate Committee on Faculty Affairs and the Council of Academic Deans. The full text of the report is given below. It is important to keep in mind that the recommendations contained in the report will be broadly discussed and studied before any action is taken by either the Senate or the administration.

INTRODUCTION

Prior to issuing its preliminary report in August of 1979, the Commission reviewed voluminous literature on tenure and promotion, met a number of times in deliberation of the various issues, and received written viewpoints from a number of University constituencies. From those activities, the Commission formed certain general conclusions.

The persons who framed the tenure and promotion policies in PS-23 and its supporting guidelines are to be commended. Although PS-23 is not a perfect document, it is a significant achievement in that it created a tenure and promotion system which has worked. The primary problems with tenure and promotion at Penn State appear to be more in the implementation of PS-23 than in PS-23 itself. The continuing process of strengthening The Pennsylvania State University in all its missions and all its locations requires unending attention to the expectations of the University for each individual faculty member. The expectations should be designed to challenge continually every faculty member and every student to perform to the very limits of his or her individual intellectual capabilities.

PS-23 represents a multiple criteria tenure system which explicitly states that the criteria for promotion and tenure "must be applied in the light of the mission of the academic unit and the professional responsibilities carried by the faculty member." A major effort is necessary to confirm that individual faculty members are being evaluated in the context of "the professional responsibilities carried by the faculty member" rather than against any predetermined expectation that all faculty members are all things. Further, because the fact of implementation of PS-23 may differ markedly from the perception, it is important that the academic leadership of the University and the members of the various committees implementing PS-23 constantly reiterate the importance of measuring performance against responsibilities.

After the majority of the members of the Commission had agreed that a completely new tenure and promotion system was not necessary at this time, the Commission examined a number of issues and made ten "preliminary" recommendations to various constituencies in the University community.

The report of "preliminary recommendations" was reviewed in many places within The Pennsylvania State University. Many of the Commission members participated in a number of meetings with such groups as the Council of Academic Deans, Caucus of Commonwealth Campus Senates, the Faculty Affairs Committee of the University Faculty Senate, the Faculty Affairs Committee of the University Libraries, and others. In addition, the Commission received and reviewed written comments from several individuals.

The report following represents the modification of those "preliminary recommendations" based on the various inputs received to them. The Commission notes that not all suggestions from all groups are incorporated in these recommendations. Because the issues of tenure and promotion go to the core of any academic institution, it is not rational to expect unanimity in support of any process or any set of recommendations.

RECOMMENDATIONS

Three recommendations (1-3) are essentially "housekeeping" in nature.

Recommendation 1: In all cases where a candidate has professional responsibility in more than one unit, each unit shall provide evaluations to become a part of the dossier. The performance of these responsibilities is to be reviewed within the units as part of the regular review and decision process. Specially constituted committees are not necessary to accomplish these reviews.

Discussion: A significant number of the tenure-track faculty have professional responsibilities to a department or unit other than the one in which they are primarily assigned. In such cases, there is a risk that the tenure and promotion evaluation process may not pick up the point of view of the "minority"

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function. While the dossier instructions address this problem, neither PS-23 nor the revised administrative guidelines for the promotion and tenure review process speak to this issue.

Recommendation 2: Section III of PS-23 should be modified to require staggered terms on all promotion and tenure review committees at all levels in order to assure continuity in the process.

Discussion: The composition of the University-level promotion and tenure committee requires staggered terms to assure a degree of continuity in the membership of that committee. PS-23 does not impose such a requirement on the other review committees at the department, campus, or college levels. There is some suggestion that there may be serious discontinuities in the methods, values, and philosophies of the peer committees from one year to the next. Although the mechanics of PS-23 are generally regarded as complicated and cumbersome, if further specificity on the makeup of a committee will help guard against inconsistent decisions from one year to the next, such changes should be made.

Recommendation 3: Section III of PS-23, in the subsection which deals with department, campus, and program review levels, should be modified to guarantee that faculty at the Commonwealth Campuses are assured departmental review by the department committee and the department chairman even in those cases where the campus committee and the campus director made negative recommendations on tenure or promotion.

Discussion: As PS-23 is now written it is theoretically possible for a candidate for promotion or tenure to be denied review by the academic department if the campus committee and the director both make negative recommendations and if the dean of the college and the dean of Academic Instruction for Commonwealth Campuses choose not to forward the dossier. The Commission has been assured that such a circumstance has never occurred and, by inference, would not be permitted to occur in the future. However, the Commission feels it is best to make explicit changes in PS-23 so that a faculty member at a Commonwealth Campus is guaranteed campus and departmental review. The Commission recognizes that the current process may slightly increase the paperwork burden in PS-23 but the Commission believes that the importance of departmental review is such as to override that inconvenience.

Two of the recommendations (4-5) seek to clarify the responsibility of review committees and of deans.

Recommendation 4: To clarify ambiguities in PS-23 relating to the responsibilities of the various review levels, the following sentence should be added in Section III: "It is incumbent upon each level of review to exercise careful professional judgment of the accomplishments, productivity, and potential of each candidate."

Discussion: Some degree of uncertainty exists in the University community as to whether tenure and promotion review committees above the department (or campus) level have the authority to pass judgment on the academic merits of the candidate. Part of this uncertainty comes about because of inconsistencies within PS-23. Another part of the uncertainty appears to trace back to different opinions as to the appropriate authority of the committees as expressed in the long debate prior to the writing of PS-23.

The preamble to PS-23 states, "within the procedures for granting or denying tenure and promotion, the presumption is that

recommendations based on the professional expertise and competence of the faculty will usually be heeded." One could assume that the department or campus committee is in the best position to judge the "professional expertise and competence" of an individual. However, upon reflection, it is clear that rigid insistence on the inviolability of the recommendation at the committee level invalidates the entire review process.

Perhaps in recognition of the dynamic tension inherent in PS-23, the Preamble goes on to say:

"The promotion and tenure procedures consist of several levels of judgment and review: the department (or comparable academic unit); the Commonwealth Campus; the college or University Libraries; and the University. The initial

review will usually take place at the level of the department (or campus, as appropriate) and will focus on professional and scholarly judgments of the quality of the individual's academic work. Subsequently, review will bring broader faculty and administrative judgment to bear and will also monitor general standards of quality, equity and adequacy of the procedures used. At each level the review process will reflect the competence and perspective of the reviewing body."

These words seem to make it clear that all levels of review have a responsibility to make a judgment based on quality, equity, and adequacy. Some degree of ambiguity in PS-23 is probably necessary to sustain the delicately balanced structure represented in the tenure and promotion process. Given the multiple missions, locations, and faculty constituencies of The Pennsylvania State University, some room for interpretation should be accommodated by the process. This recommendation, while not entirely removing ambiguity, is intended to make explicit that all levels of the review process have a responsibility for quality judgment.

Recommendation 5: In all cases where a dean makes a negative tenure or promotion decision and where all recommendations prior to the dean's level have been positive, that dean is required to meet with the college committee and state his or her reasons. The intent is to require full and candid discussion when such divergent recommendations occur.

Discussion: At the present time, PS-23 allows a negative decision by a dean to override all positive recommendations to that point and, in effect, to deny promotion or tenure. In June of 1978, the University Faculty Senate recommended changing this policy so that a dean would not have the authority to deny tenure in contradiction of positive recommendations preceding the dean's decision.

The Commission considered this issue at some length. The "veto" by a single individual does, to some extent, contradict the traditional collegiality of institutions of higher education. However, the American higher education community also typically considers the dean to be the spokesman for, and critical defender of, academic quality and integrity. In a very real sense, the president of the University has, and must have, that "veto" power by one individual; certainly the argument can be made that the dean is closer to and more knowledgeable about the qualifications of a particular candidate than the president of any major university is likely to be.

Therefore, the Commission concluded that the "veto" power should remain with the dean. Although no evidence was presented to the Commission that deans have capriciously exercised this authority, the recommendation explicitly requires the dean who does "veto" a candidate to meet with the college committee to explain, and by inference defend, his or her reasons.

Five of the recommendations (6-10) deal with substantive or technical matters relating to tenure and promotion. The first in this group deals with the definition of the mission of The Pennsylvania State University. Another describes a process for improving the evaluation of teaching as a factor in tenure and promotion. Two of these recommendations relate to refinement of the criteria for promotion and tenure at all levels and the responsibility for editorial review of PS-23. The final recommendation proposes the development of principles and procedures for position elimination for compelling reasons.

Recommendation 6: In PS-23, under General University Criteria, the following changes should be made:

"Promotion and tenure decisions shall be based on the following criteria, which must be applied in light of the mission of the academic unit and the professional responsibilities carried by the faculty member. The criteria have purposely been made general in the expectation that each academic unit may further define and elaborate them on the basis of documented primary faculty assignment. In a University where the discovery and synthesis of knowledge, as well as the transfer, communication, and application of knowledge are its raison d'être, the criteria of

research, scholarship, teaching, and service are critically important.

1. Teaching ability and effectiveness — ability to convey subject matter to students; demonstrated competence in teaching and capacity for growth and improvement; ability to maintain academic standards; and to stimulate the interests of students in the field; effectiveness of counseling, advising, and service to students.

2. Research competence — ability, usually demonstrated through publication and creative work, to carry out research of high quality and scholarly significance, including contributions to the arts, and the ability to train students in research methods and practice.

3. Scholarship and mastery of subject matter — evidence of thorough understanding of the field; maintenance of high levels of academic performance; recognized reputation in the subject matter field; evidence of continued professional growth.

4. Professional service to the University and the public — evidence of participation in the University, college, departmental, and unit affairs; competence in extending specialized knowledge to the University and to the public including professional practice and consulting; active contribution to professional organizations. Promotion and tenure decisions are separate decisions, although these general criteria apply to both promotion and tenure. Promotion shall be based on recognized performance and achievement in each of the several areas, weighted as appropriate to the particular responsibilities assigned to the faculty member. Tenure shall be based on the long-run potential for future advancement in the several directions enumerated above as indicated by performance during the provisional period, weighted as appropriate to each department (see also Section IV.5.).

Discussion: The effectiveness of the tenure and promotion process revolves around the criteria on which the decision is made. Four general criteria are established in PS-23: fundamental, currently they are teaching ability and effectiveness, research competence, scholarship and mastery of subject matter, and service to the University and the public.

The Commission feels that a statement such as the one italicized in the recommendation is needed to establish a mission framework for the fundamental tenets of the system. The recommendation makes some adjustments in the descriptions of the criteria. Finally, the last criteria is clarified to delimit itself to "professional" service and is specifically drawn to include consulting and professional practice. The criteria in PS-23 are not weighted in any way but instead they "have purposely been made general in the expectation that each academic unit may further define and elaborate them on the basis of documented primary faculty assignment." The Commission does not propose a University-wide weighting of the criteria and cautions against excessive skewing of the criteria at the unit level. The inescapable difference in professional judgment among competent persons makes any effort at precise weighting of the criteria an exercise in futility.

Recommendation 7: In order that PS-23 include clear statements of the appropriate procedures for evaluating teaching effectiveness for promotion and tenure, it is recommended that PS-23 and the administrative guidelines be modified to incorporate the following principles and procedures:

(A) Evaluation of teaching effectiveness for purposes of promotion and tenure shall include both peer and student evaluation.

(B) The method of evaluation to be used within a unit shall be selected by the faculty of that unit. In the case of the college, unit is defined to mean the department or the entire college if the departments of the college all choose to use the same evaluative procedures; for the University Libraries, the unit is defined as the University Libraries. It is the responsibility of the unit to provide clear, documented evidence of a candidate's teaching effectiveness, including both peer and student evaluation. The evaluation procedure specified by each unit must be applied by the appropriate deans, by the dean of Academic Instruction for Commonwealth Campuses for those faculty assigned to any of the Commonwealth Campuses; the procedure must also be approved by the provost. It is the intent of this recommendation to encourage each unit to develop different evaluation methods

as appropriate for major subgroups of the faculty, the methods chosen shall be appropriate to the discipline and to the type and level of teaching involved.

- (C) If a unit chooses to use in-class student surveys, they must be designed by or selected by the faculty of that unit for evaluating teaching effectiveness for purposes of promotion and tenure. The process must be managed so that the candidate is not in a position to influence the judgment and interpretation of the survey results. Such surveys shall belong to the unit which administers them and shall be summarized and interpreted as part of the promotion and tenure documentation. The results of the surveys shall be made known to the candidate.

- (D) Because earlier legislation creates confusion in the area of evaluation of teaching, the University Faculty Senate should repeal all previous legislation concerning evaluation of teaching as it applies to promotion and tenure processes.

- (E) The Provost's Office shall act to facilitate the exchange of methods and ideas among the various units of The Pennsylvania State University.

Discussion: Candidate evaluation is the core issue in the application of the promotion and tenure process. While not all faculty are significantly involved in teaching, a high proportion of the total faculty of the University have substantial responsibilities as teachers. The evaluation of teaching effectiveness is one of the most difficult issues in American higher education.

The University Faculty Senate, with all good intentions, has taken a variety of legislative actions regarding teaching evaluation over the years. The net result of these actions is to confuse the distinction between teaching evaluation aimed at improving teaching effectiveness and teaching evaluation as a judgment factor in the promotion and tenure process. With the best intentions imaginable, it is not currently possible to be in compliance with all the Senate legislation and with the intent of PS-23.

Although the available evidence on methods of evaluating teaching is contradictory, it is reasonably clear that both peer and student evaluations are necessary to provide a balanced perspective. While student evaluation, for whatever purpose, is reasonably well established at Penn State, peer evaluation of teaching is extremely sensitive. However, a form of peer evaluation functions in the area of research and scholarship and can be developed in the area of evaluation of teaching effectiveness.

Because the nature of teaching and its purposes vary in a specific detail from department to department, the recommendation insists on the department's right to develop a teaching effectiveness assessment methodology appropriate to it. Realistically, more than one department, conceivably all departments, within a college may use the same method when the purposes are similar and the nature of the instruction is highly correlated.

The Commission is completely aware of the extreme difficulty of fair and equitable evaluation of teaching effectiveness. Inexpensively, however, that evaluation must be accomplished if PS-23 is to be a legitimate exercise of University responsibility for those faculty who devote a significant part of their effort to instruction.

Recommendation 8: The Promotion and Tenure Review Commission, in consultation with the Provost's Office and the Faculty Affairs Committee of the University Faculty Senate, will be responsible for monitoring on a continuous basis the ongoing process of tenure and promotion review under PS-23. As a first step in the continuing monitoring of the review process, the Promotion and Tenure Review Commission, in consultation with the Provost's Office and the Faculty Affairs Committee, will review all existing tenure and promotion criteria of all units at all locations in order to become familiar with the current state of those criteria. Following that review, the Commission will prepare guidelines on expectations for new criteria for promotion and tenure for the colleges, departments, campuses, and University Libraries. In addition to the guidelines, the Commission will also prepare "model" criteria for each of the four major divisions listed previously. When the Commission has completed these tasks, the provost will require that the colleges, departments, campuses, and University Libraries review existing criteria and present revised versions as necessary under the guidelines.

Discussion: PS-23 emphasizes the importance of common expectations and understandings" with the tenure and promotion policy. Further, it says that "each academic unit may develop its own specific expectations and standards as the operational basis for tenure and promotion recommendations." What happened, apparently, is that the criteria at the University level, the college level, the department level, and the campus level were developed more or less simultaneously. There was no generally known or accepted format or content statement for the criteria at the several levels. The result is that the criteria statements range from overly explicit to non-existent. In addition, the criteria of the department and of the particular Commonwealth Campus may be different and, to some extent, work to the detriment of the faculty member in that department at that particular Commonwealth Campus. It would seem that PS-23 and its implementing apparatus have been in place long enough so that greater consistency could be achieved without violating the unique responsibilities and assignments by function and by location.

Recommendation 9: The Promotion and Tenure Review Commission, in consultation with the Provost's Office and the Faculty Affairs Committee of the University Faculty Senate, shall be responsible for editing, as necessary, PS-23 so as to incorporate into that policy the approved recommendations in this report. Further, the Commission will incorporate the existing administrative guidelines for implementation of PS-23 into PS-23 itself to fullest extent possible.

Discussion: In the years since PS-23 was established as University policy, the administrative guidelines for implementation have been modified as experience has dictated. In the view of the Commission, the process of modification has continued long enough so that the bulk of the administrative guidelines could and should be incorporated into the policy. Clearly, such a task, together with the incorporation of the approved recommendations in this report must be done in the collegial spirit. Assignment of the responsibility for the task to the Promotion and Tenure Review Commission serves to provide the continuity so important to the equitable application of tenure and promotion processes.

Recommendation 10: The Promotion and Tenure Review Commission, in consultation with the Provost's Office and the Faculty Affairs Committee of the University Faculty Senate, shall recommend to the president principles for determining when tenure-track positions should be eliminated for reasons of financial exigency, changing program needs, changing priorities, or for other compelling reasons.

Discussion: In the course of its deliberations, the Commission considered the question of financial exigency and other reasons which might lead to the elimination of a tenured position. The Commission understands the critical distinction between elimination of a tenure-track position and termination of the appointment of a tenured faculty member. PS-23 currently provides some guidance related to financial exigency and similar problems. However, it was the view of the Commission that elimination of tenured positions for reasons of financial exigency, changing program needs, changing priorities, or for other compelling reasons should be the subject of principles and procedures independent of PS-23. This point of view was broadly supported in the discussions which occurred following publication of the "preliminary recommendations" of the Commission.

The development of principles for elimination of tenure-track positions for the reasons cited above will be an extremely important and most sensitive task. It is imperative that the principles developed be congruent with the existing planning and budgeting process of the University. It is vital that the principles not reduce unnecessarily the managerial authority and responsibility of the senior academic officers of the University. The principles must be definitive and specific enough so that the transfer of a vacant tenure-track position from one department to another is recognized as a different course of action from the complete abolition of a tenure-eligible position. These points are merely illustrative of the complex and subtle nature of the task of developing principles for the abolition of tenure-track positions for reasons of financial exigency, changing program needs, changing priorities, or for other compelling reasons.

The final recommendation from the Commission proposes a fundamental change in the tenure process at The Pennsylvania State University. This change would be applied to faculty appointed to tenure-eligible positions after the recommendation was approved and the

detailed policy developed. Further, it must be understood that the proposed "limited-term" tenure-eligible system would not in any way reduce the existing flexibility of the fixed-term no-tenure-eligible system.

Recommendation 11: The probationary years between the initial appointment to a tenure-eligible position and the end of the six-year probational period should consist of a series of limited-term tenure-eligible appointments with no appointment of a limited-term exceeding three years.

During the initial four years (which will consist of two or more limited-term appointments) of the probationary period, the evaluative process shall include both the traditional qualitative evaluation of the incumbent on the basis of teaching, research, scholarship, and service, and shall also include a separate, continuing evaluation of whether financial exigency, changing program needs, changing priorities, or other compelling reasons indicate that the position should be abolished.

If at any point during the initial four years of the probationary period the traditional qualitative evaluation is unfavorable to the candidate, the candidate shall be so advised and the appointment will automatically lapse at the end of the limited term for which it was made. If at any point during the initial four years of the probationary period the continuing evaluation of the need to continue the position indicates that the position should be abolished, the incumbent shall be so notified and the appointment will lapse at the end of the limited term for which it was made. In such cases, the incumbent is guaranteed twelve months' notice.

If the incumbent so chooses, the appropriate dean will provide a written statement that the position in question was abolished for reasons of financial exigency, changing program needs, changing priorities, or other compelling reasons not relating to the quality of the incumbent.

The traditional qualitative evaluation of incumbents during the initial four years of their probationary period shall be accomplished by the regular promotion and tenure review processes of the University. The separate, continuing evaluation of the need for the position during this time shall be the responsibility of the dean of the college, or the dean of University Libraries, or the dean of Academic Instruction for Commonwealth Campuses for faculty located at the Commonwealth Campuses; the dean or deans shall consult with the faculty in the program and with any other appropriate faculty group within the college or library. Recommendations from the deans, in consultation with their faculties, shall be reviewed by a special University committee to be jointly appointed by the University president and the chairman of the University Faculty Senate; no person shall serve on this committee while at the same time serving on the University-level promotion and tenure committee.

If the continuing evaluation of the need for the position throughout the initial four years of the probationary period indicates that the position is needed, the process shall continue and if the traditional qualitative evaluation of the incumbent has been satisfactory in that time period, the incumbent shall be offered a fixed three-year limited-term appointment during which the final tenure-granting decision will be made under the policies and procedures of PS-23. This procedure is intended to minimize, but not to eliminate, the possibility that fifth- and sixth-year tenure-eligible positions and tenured positions be collapsed due to financial exigency, changing program needs, or other compelling reasons.

Because the recommended limited-term tenure-eligible appointment system is totally different from the existing system for tenure-track appointments, the University regulations regarding standards of notification of reappointment or failure to reappoint need to be carefully reviewed and adjusted to conform to the limited-term tenure-eligible system. This review and necessary rewrite should be done by the Promotion and Tenure Review Commission in consultation with the Provost's Office and the Faculty Affairs Committee.

Discussion: This recommendation is intended to address two shortcomings of the University's tenure and promotion process. In the opinion of the Commission, the continuing appointment to a tenure-eligible position carries within it two major weaknesses: (1) too often the tenure reviews prior to the sixth year are perfunctory and fail either to provide appropriate guidance to a faculty member or to terminate an appointment at an earlier date, and (2) the "open-ended" appointment makes a negative decision necessary to terminate an individual even if the need to terminate does not necessarily reflect unsatisfactory performance, and in the event of litigation, places the University in a defensive position. The alternative proposal in this recommendation

requires early and regular evaluation and counseling of the faculty member. In addition, the decision not to offer another limited-term appointment is, in legal terms, a different position for the University.

The limited-term proposal also establishes a clear and understandable mechanism for judging the need for a position in terms of financial exigency, changing program needs, changing priorities, or other compelling reasons while avoiding the necessity to appear to terminate an individual for those reasons. Perhaps the distinction between abolishing a position and terminating a mechanism will be viewed in some circles as a word game, but the Commission believes that the difference is significant and substantive.

Finally, although not of overriding importance, the limited-term system places the tenure process of The Pennsylvania State University in a form followed by the majority of similar universities across the country.

Members

James B. Bartoo, Chairman
Ernest L. Bergman
Richard G. Cunningham
Thomas G. Fox
L. Peter Gold
Joseph W. Michels
Robert G. Quinn
Cara-Lynne Schengrund
Sally S. Small
Thomas Wartik

Staff Support
James R. Dungan

Senate

(Continued from page 1)

May 1979 and January 1980, the Committee reviewed 294 petitions from students asking waivers or exceptions to student policies. It granted 273 of these.

The Committee also presented the following summary to inform senators on the procedure for reinstatement to degree candidacy:

"A student who has been dropped as a degree candidate from the University for unsatisfactory scholarship may petition the Committee on Admissions, Records, and Scheduling of the University Faculty Senate for reinstatement (see Section 54-82 of the Academic Policies and Procedures for Undergraduate Students). Students are notified when dropped that they must reduce their grade point deficiencies by at least one-half before applying for reinstatement. Some colleges require that all grade point deficiencies be eliminated. Petitions for reinstatement must be approved by the Dean of the College in which the candidate wishes to enroll. A subcommittee of the Committee on Admissions, Records, and Scheduling then reviews each petition and makes its recommendation."

A total of 125 petitions for reinstatement were reviewed by the Subcommittee during the period May 1, 1979, through Jan. 31, 1980. Of these, 119 were granted and 6 were denied.

Chairman Daryl Heasley of Curricular Affairs, in a brief report on BDR 11, noted that 10 of the 11 colleges have submitted programs and that the Committee expects no problems in meeting the 1981-82 undergraduate case deadline.

The Committee on Undergraduate Instruction offered a supplement to its 1978-79 Grade Distribution Report. The report showed the number of students on Dean's List Last Fall and the percentage of students graduating with distinction, both by college. The report will appear in a future issue of INTERCOM.

A report on the Penn State Scholars Program was presented by its director, Dr. Paul Axt. His presentation appears on page 1.

Progress on planning for the conversion of the present HUB Terrace Room to a bookstore and for new uses of space in the HUB was discussed by Vice President for Business Ralph E. Zilly and J.D. Miller, director of physical plant planning and new construction.

Editor's note: Below are several sections and charts from Penn State's 1980-81 Budget Presentation, delivered by President Oswald and other University officials yesterday (March 12) before the House Appropriations Committee.

A. The Financial Problem:

For 1980-81, the University is encouraged that the State administration has placed a high priority on higher education and that there is equity in the recommendations among the segments of higher education. Nevertheless, the recommended increase of 5.8 percent is well below the University's needs to meet inflated costs. Unless augmented by the General Assembly some increases in tuition rates beyond the projected 5 percent included in this budget request will be necessary.

Penn State is increasingly hard-pressed to cope with the rapidly escalating costs of operation. Some examples are:

• While the general rate of inflation currently exceeds 13 percent, many of the goods and services the University must purchase are increasing in cost at an even higher rate, e.g., fuel and utilities, library books and periodicals, and certain types of critically needed instruction and research equipment.

• Significant increases in retirement and group insurance costs are mandated by external agencies and are not under the University's control. The amount paid for retirement costs, primarily to the State Employees' Retirement System, has increased more than five-fold since 1970-71. In that year, total retirement costs were \$4.6 million. In 1979-80, Penn State will pay over \$24 million for retirement costs. Based on estimated rate changes by the State Employees' Retirement System, the University's mandated retirement contributions will increase by \$1.1 million in 1980-81.

• In 1970-71, Penn State's Social Security costs were \$5.5 million. For 1979-80, these costs have escalated to over \$12 million. Base and rate changes mandated by the new Social Security legislation will cost an additional \$1.0 million for 1980-81.

• While State appropriations have increased almost every year during this decade, the value of the appropriation in terms of purchasing power has declined significantly. Figure 1 shows the State appropriation per equivalent full-time student, in terms of current and constant 1972-73 dollars. This graph shows clearly that Penn State is operating with a per-student appropriation which, in "real dollars," has declined by over 19 percent over the last several years.

• To offset partially this decrease in purchasing power, substantial increases in tuition rates have been necessary, including an 8.5 percent increase for 1979-80. Currently the tuition rate is \$1,485 for undergraduate students at University Park is the second highest of all major public Land-Grant institutions — over 88 percent, or \$694, higher than the average tuition rate for 1979-80 at these comparable institutions.

• The University is concerned that each year a higher share of the inflated costs of education

Sections from the 1980-81 Budget Presentation

Prepared for the General Assembly

TABLE 1 SUMMARY OF PENN STATE'S 1980-81 APPROPRIATION REQUEST			
	General University Operations	College of Medicine	Total
A. 1979-80 Funding Levels:			
1. Total General Funds	\$218 338 000	\$26 255 000	\$244 593 000
2. State Appropriation (Included in Line 1)	\$117 222 000	\$ 2 896 000	\$120 118 000
B. Proposed 1980-81 Changes:			
3. Inflationary Cost Increases ^a	21 834 000	1 405 000	23 239 000
4. New Facilities — Maint. & Oper.	219 000	—	219 000
5. Total Expense Increases	22 053 000	1 405 000	23 458 000
6. Less Revenue Increases from Proposed 5% Tuition Rate Increase	(3 656 000)	—	(3 656 000)
7. Total Appropriation Increases Requested (Line 5 minus Line 6)	18 397 000	1 405 000	19 802 000
C. Total 1980-81 Appropriation Requested (Line 2 plus Line 7)	\$135 619 000	\$ 4 301 000	\$139 920 000
^a Includes salary adjustments and cost increases in staff benefits, fuel and utilities, academic equipment, library acquisitions, supplies and services, and major maintenance. Represents 10.0% of the 1979-80 General Funds Budget.			
Supplemental Line Item Appropriation Requested:			
Rural Medicine Program —	\$1 260 000		

falls upon the students and their families. Since 1972-73 tuition charges have risen sharply by 73.7 percent — higher than the 65.7 percent increase in the general rate of inflation and considerably higher than the 45.3 percent increase in State appropriations during the same period (see Figure 2).

B. Explanation of Requested Appropriation Increases:

In September, 1979, Penn State submitted an appropriation request to the State for 1980-81 in the amount of \$139,920,000. This request addresses only the most urgent financial needs of the University, and represents an overall increase in the University's General Funds budget of 10 percent for increased costs of operations — a conservative amount in light of a projected inflation rate in excess of 13 percent.

Table 1 shows the proposed income and expense increases contained in Penn State's 1980-81 Appropriation Request. The University is requesting an appropriation increase of \$19,802,000 over the 1979-80 appropriation level. Included are increases of \$18,397,000 for General University operations and \$1,405,000 for the College of Medicine. The total appropriation requested is \$139,920,000,

of which \$135,619,000 is requested for General University operations and \$4,301,000 is requested for Medical Education.

The University's proposed 1980-81 budget is based on the following general principles:

1. No significant changes in enrollment are anticipated over 1979-80. Enrollment for the 1979 Fall Term was at an all time high of 33,967 students enrolled in resident instruction courses. Penn State is now serving more students than at any time in its 125 years of service to the Commonwealth.
2. The emphasis of the proposed budget is placed on provisions to cope with the rapidly escalating rate of inflation, which affects the goods and services which the University must purchase. The budget seeks to provide for:
 - a. Essential salary adjustments for employees. Salary adjustments will conform with Federal Wage and Price Guidelines.
 - b. Requirements for mandated fringe benefits cost increases (primarily Social Security base and rate changes, and State Retirement rate changes).
 - c. Increases in the costs of operation, including supplies, services, fuel, and utilities.
 - d. Rapidly escalating costs of library books and materials and instruction

and research equipment.
e. Increased costs of critically needed maintenance of the University's physical facilities.

3. As indicated above, the proposed 1980-81 budget plan includes a request for a 10 percent increase in the University's General Funds Budget. On the income side, the plan includes an average 5 percent tuition rate increase for all students except Doctor of Medicine students, for whom tuition rates are already at the \$5,550 level. This budget plan at the University's requested level of appropriation recognizes the principle of the State and the student sharing educational costs. The plan further recognizes that in order to bring into better balance the contribution of the State with that of the student, the tuition rate increase should be proportionately less than the increase in State appropriations.
4. A small amount of additional funds is requested to cover the costs of operating and maintaining new or newly renovated facilities estimated to come on line in 1980-81. At University Park, additional funds will be required for the operation of several newly renovated buildings. Also, additional funds for fuel, utilities, and maintenance costs will be needed for new facilities at four Commonwealth Campuses.
5. The basic State appropriation support for medical education has not been increased since 1971-72. The costs of medical education have increased, however, in the same manner as the costs of other University operations. In the absence of increased appropriation support, the University has had to rely on substantial increases in tuition to offset partially the inflated operating costs. Tuition has increased by 455 percent since 1971-72 (from \$1,000 to \$5,550 per year). As a result, no tuition increase is proposed for medical students. The increase in basic support requested of the State represents the equivalent of approximately 5.1 percent annual increases over the nine-year period.
6. As in the past several years, no funds are requested for new programs. Any new program initiatives will be provided for by the University's continued program of internal resource reallocation, or from other outside sources.

Increases shown in Table 1 are for University General Funds operations. The General Funds budget supports the basic programs of teaching, research, and public service throughout the State. It is from this budget that the basic expenditures for faculty and staff salaries, supplies and equipment, and maintenance are made. Income is received almost entirely from State appropriations and student tuition charges. The University's total operating budget, of which the General Fund represents approximately 57 percent, includes several programs for which no State appropriation or tuition funds are used. These programs include sponsored research supported by Federal, State, and private grants and contracts, and such self-supporting activities as the Teaching Hospital and auxiliary enterprises (e.g., student housing and food services, intercollegiate athletics, and bookstores).

FIGURE 1

APPROPRIATION PER STUDENT: CURRENT \$ VS. 1972-73 PURCHASING POWER

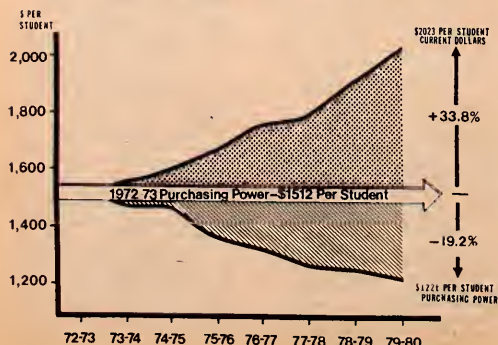


FIGURE 2

PERCENT CHANGE IN TUITION, INFLATION, AND APPROPRIATION SINCE 1972-73

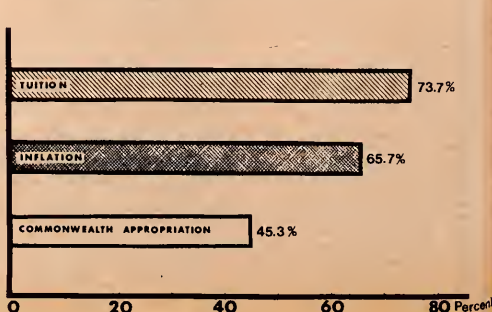


FIGURE 3
PERCENT CHANGE IN
ENROLLMENTS AND FACULTY SINCE 1972-73*

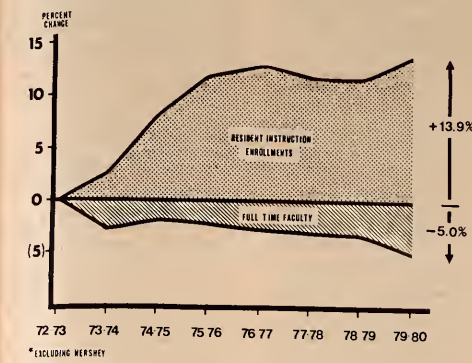
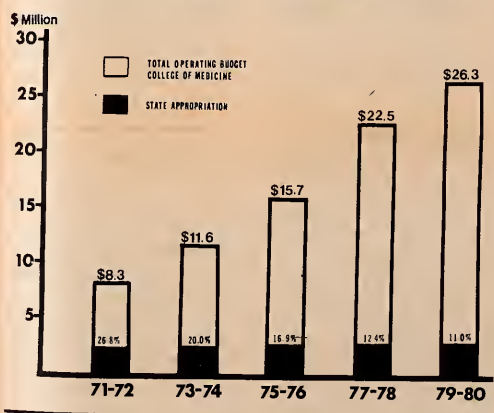


FIGURE 4
COLLEGE OF MEDICINE BUDGET
AND PERCENT SUPPORTED BY
STATE APPROPRIATION SINCE 1971-72



In addition to the basic support for medical education, the University has included in its budget request a proposal to develop further its important programs in rural medicine with the objective of (1) bringing the benefits of medical expertise to smaller communities through continuing education of physicians, (2) making available to rural physicians and patients the staff resources and facilities of a modern medical center, and (3) educating future doctors and other health practitioners. Over the past six years a number of important educational patient care programs designed to serve rural areas and smaller communities have been thoroughly tested on a highly selective, experimental basis with temporary funding. Permanent, continuing funding is essential to more fully develop, improve, and expand the programs if they are to realize their potential benefits to the medically underserved areas of the Commonwealth. The University respectfully requests a special line item appropriation of \$1,260,000 to be used

for support of the following eight rural medicine programs in the amounts shown:

1. M.D. Training in Family and Community Medicine, General Medicine, and General Pediatrics	5536,056
2. Practice of Medical Students with Rural Doctors	187,258
3. Pennsylvania Family Practice Residency Consortium of 15 Community Hospitals	15,000
4. Community Hospital Affiliations - 16 hospitals	135,000
5. Rural Health Clinic in Millersburg - pilot study	145,094
6. Cancer Programs in Rural Hospitals - 11 hospitals	78,155
7. New Born Intensive Care and Transport	86,024
8. Child Mental Health and Retardation in Rural Areas	77,413

History of Photography Events open March 19

The 1980 History of Photography Events, from March 19 through April 9, will feature five lectures by professors of photojournalism, art and art history from universities across the country.

In conjunction with these events, an exhibition, 19th Century Photographic Books and Other Memorabilia, has been arranged in the Rare Books Room by Charles W. Mann Jr., librarian for special collections at Pattee.

The first of the scheduled lectures "Early Photography in Peru," will be presented at 8 p.m. Wednesday, March 19, in Room 101 Kern Graduate Building.

The speaker will be Dr. Keith McElroy, assistant professor of art at the University of Arizona at Tucson. He will describe the impact of photography on the cultural and social life of 19th century Lima and its influence on the development of photography abroad. Dr. McElroy, who organized a major exhibition in Lima in 1975, has spent many years in Peru and has written numerous articles on photography and architecture.

"The Style of Life: The Influence of European Photographers and Picture Editors on Life Magazine" will be the subject of Zoe Smith-Nesterenko, instructor in communications at the University of Tulsa, at 8 p.m. Thursday, March 20, in Room 101 Kern.

The third lecture of the series, "Charles Piazzi Smyth: Photographer and

Iconoclast," will be presented by Larry Schaaf, assistant professor of journalism at the University of Texas at Austin, at 8 p.m. Wednesday, March 26, in Room 101 Kern. Mr. Schaaf, co-author of a book on Paul Martin entitled *Victorian Photographer*, has also studied the works of pioneer photographers Fox Talbot and Sir John Herschel.

A talk on the previously unpublished letters of Man Ray, photographer and painter of the Dadaist and Surrealist art movements, will be presented by Albert Charley at 8 p.m. Monday, March 31, in Room 101 Kern. The title of the talk by Mr. Charley, who is professor of art at Clarion State College, is "Man Ray: Last of the Red-Hot Dads."

Dr. Heinz Henisch will present the final lecture of the series, "Nineteenth Century Masters," at 8 p.m. Wednesday, April 9, in Room 101 Kern. Works by Julia Margaret Cameron, Nadar, Lewis Carroll and Napoleon Sacrony - four idiosyncratic photographers of the era - will provide the subject matter for his talk. Dr. Henisch, professor of the history of photography, is a Fellow of the Royal Photographic Society of Great Britain and editor of *History of Photography*, an international research quarterly.

The 1980 History of Photography Events are co-sponsored by the Institute for the Arts and Humanistic Studies and the School of Journalism.

News in brief

(Continued from page 1)

Association of College and Research Librarians.

Among the books selected are *The Song of Roland: An Analytical Edition* by Gerard J. Brault, professor of French, and *Hemingway's Hidden Craft* by Bernard Oldsey, a Penn State Ph.D. and former faculty member. The other selections from last year's Penn State Press list are *German Poetry in the Age of the Enlightenment* by Robert M. Browning and *Hawthorne's Lost Notebook, 1835-1841*, a facsimile edition edited by Barbara S. Mouffe and Hyatt H. Waggoner. The original Notebook, now in The Pierpont Morgan Library, was found by Ms. Mouffe in 1976 after having been missing for more than a century.

Alard concert March 19

The Alard String Quartet will present the fifth concert in a series marking its 25th

anniversary at 8:30 p.m. Wednesday, March 19, in the Music Building Recital Hall.

Opening the program will be William Byrd's "The Queen's Alman" from the Fitzwilliam Virginal Book. Originally written for keyboard, the piece has been arranged for strings by Denis Stevens, a former Distinguished Visiting Professor at the University.

Also on the program is George Rochberg's String Quartet No. 3, written in 1972. The composer teaches composition at Penn.

The program will close with Beethoven's Quartet in A Minor. Beethoven fell seriously ill while he was writing the quartet, and the mood of the composition reflects his progress during convalescence. The four-note motif in the introduction of the quartet is the theme upon which three of the late quartets and the "Grosse Fuge" are based.

Violinists Joanne Zagst Feldman and Donald Hopkins, violist Raymond Page and cellist Leonard Feldman compose the Alard String Quartet.



SCIENTISTS FROM CHINA are studying, teaching and doing research with faculty in the College of Earth and Mineral Sciences. Talking with Charles Hostler, dean of the College, they are, from left: Ta-Lin Chang, a graduate student in meteorology; Yao Xi, a visiting scientist at the Materials Research Laboratory, and lecturer in the electronic engineering department of Xian Jiaotong University; Jia Xiang Zhao, a visiting research associate in fuel science, and vice director of the non-metallic department at Beijing University; Jinchu Zhu, a visiting research associate in geosciences and lecturer in geology at Nanjing University; Chiu-Shih Chen, an assistant professor of meteorology here and professor at Beijing University; and Yu-Fang Li, a research assistant in meteorology and associate professor at the University of Hangchow. Not shown is Wei Yuan Yang, adjunct research assistant in aerospace engineering and an astronautical engineer at Beijing Institute of Control Engineering.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1867). Applications for these staff vacancies will be accepted until 5 p.m., March 30, 1990. DID NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

PHOTOJOURNALIST - PUBLIC INFORMATION AND RELATIONS, University Park Responsible for photography to be utilized as photojournalism for local, state and national media to enhance the public image of The Pennsylvania State University. Plan and photograph original and imaginative materials depicting University Park and Commonwealth College academic and social life. Bachelor's degree in photojournalism or its equivalent, plus three to four years of directly related experience with a newspaper or comparable publication.

COORDINATOR, STUDENT ACTIVITIES, Capitol Campus Responsible to Director of Student Affairs for the implementation, coordination and administration of the overall campus activities program. Master's degree in student personnel, higher education, psychology, or equivalent outside study or training, plus one to two years of effective experience in residence living or student activity programs.

COORDINATOR OF DEVELOPMENT ACTIVITIES - CONTINUING EDUCATION, University Park Responsible to the Director of Broadcasting for grantseeking and other fund-raising activities for WPX-TV and Broadcasting Services in Continuing Education. Requires bachelor's degree or equivalent and four to five years of effective experience in preparation and presentation of major grant proposals at the national level, plus a demonstrated successful record of obtaining funds from government, foundation and corporate sources.

DIRECTOR OF MAJOR GIFTS - OFFICE OF GIFTS AND ENDOWMENTS - University Park Responsible for the coordination and direction of major gifts program and activities. Develop and/or implement plans to generate private support for approved major projects of the University. Assist or provide counsel regarding cultivation and special prospects, assist in developing strategy for solicitation of prospects for major projects; participate in the solicitation of major gift prospects; prepare or assist with preparation of major gift proposals. Assist in the preparation of promotional materials for all major projects. Bachelor's degree or equivalent in business, marketing, or related field, plus five to seven years of effective experience in fund raising or public relations, with extensive skills in the area of communications, both verbal and written.

SENIOR PLANNING ANALYST, OFFICE OF PLANNING AND BUDGET Responsible to the Associate Director for Planning and Research. Position involves developing, conducting, and monitoring planning and analytical studies, representing the Office of Planning and Budget on University-wide committees and performing such other staff functions as may be requested by the Director or Associate Director of the Office of Planning and Budget and the senior executives of the University. A doctorate in higher education or other education field, business administration, economics, sociology, public administration, or political science is preferred. A master's degree in one of these areas with significant years of directly related experience may qualify. This is a 12-month staff position with starting dates depending upon availability of candidate. Salary is negotiable and dependent upon experience. Special consideration will be given to a candidate with a graduate degree in one of the disciplines and with experience as a faculty member in a university.

Scholars

(Continued from page 1)

According to Dr. Axt, existing honors programs will continue to function within the University Scholars Program under revised regulations.

Dr. Axt reported on visits he had made to other universities with flourishing

honors programs and discussions he had had with students at these institutions.

"I discovered that one of the most significant features attracting students to these programs was flexibility in constructing their programs. Therefore, the Senate will be asked to waive certain graduation requirements for students in the program, provided the intent of these requirements is met."

The keynote of an honors program, according to Dr. Axt, is advising "in the strongest and best sense of the term."

"We are going to ask that at the end of each year the honors advisors sit down with each of the honors students and plan out an entire year's program on the basis of an awareness of where the student is going. We will try to recognize the considerable efforts of these advisors in some tangible way."

To accommodate potential scholars at Commonwealth Campuses, where their numbers are likely to be few, a proposal has been made that each campus set up a faculty committee to identify very good students, including some not eligible for the program. Special honors sections would be arranged for these students. Officially designated Scholars at a campus could thus fulfill minimum requirements for participation.

Dr. Axt pointed out the necessity of a strong recruiting program to attract students to the Scholars Program. "One of the major needs of students of this sort at any institution is simply more of them," he said.

Underlining the importance of recruitment, Dr. Axt noted that there is now some agreement among educational planners that "the universities which will

thrive during the great academic depression of the '80s and '90s are those whose quality is high and whose quality is being enhanced."

Why should students choose to be part of an honors program which will make them work harder for the same grades?

Dr. Axt cited good teaching, smaller classes, closer relationships with faculty members, serious advising, and flexibility in program construction. He noted also that space is being made available for a Honors Center in Willard Building and that a dormitory program is under discussion. Students living in residence halls would be assisted by specially assigned resident advisors. A sense of community could be enhanced by programs designed to bring these Scholars into contact with each other and with interested faculty members. Visiting speakers, Artists Series performers, and others would be invited to meet informally with Scholars.

Dr. Axt concluded with a warning: "I think that even if this program is well conceived and well organized, we have to fight against a very common temptation—to see the thing as a kind of machine which we fasten on the problem, flip the switch and walk away from it. It really is just a chance to try to do something, and we must admit that we don't have a lot of experience doing this kind of thing and must be willing to try to learn."

"It takes practice to teach a class of this sort. We have to learn how to bring these students along. It's the same with advising. Advisors are going to have to get to know each other, be willing to confess their confusions to each other, and also to supply information to each other on the kinds of questions that students ask."

COLLEGE OF HEALTH, PHYSICAL EDUCATION & RECREATION RECREATION HOURS - FIRST 5 WEEKS - SPRING TERM 1980									
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday		
IM BUILDING									
Gym I	8:00 - 9:30 A.M. 11:00AM - 6:30P.M.,** 9:00 - 11:00P.M.	8:00AM - 6:30PM 9:00 - 11:00PM	8:00 - 9:30AM 11:00AM - 6:30PM** 9:00 - 11:00PM	8:00AM - 6:30PM 9:00 - 11:00PM	8:00 - 9:30AM 11:00AM - 6:30PM** 9:00 - 11:00PM	8:00AM - 11:00PM	8:00AM - 11:00PM		
Gym II	8:00AM - 6:30P.M.,** 9:00 - 11:00PM	8:00AM - 6:30PM	8:00 - 9:30AM 11:00AM - 6:30PM** 9:00 - 11:00PM	8:00AM - 6:30PM	8:00AM - 6:30PM 9:00 - 11:00PM	8:00AM - 11:00PM	8:00AM - 11:00PM		
Gym III	8:00AM - 3:30P.M.,** 3:30 - 11:00P.M.	8:00 - 9:30AM 9:30 - 11:00PM**	8:00 - 9:30AM 9:30 - 11:00PM	8:00AM - 9:30AM 9:30 - 11:00PM** 11:00AM - 11:00PM	8:00AM - 9:30AM 9:30 - 11:00PM** 11:00AM - 11:00PM	8:00 - 9:30AM 9:30 - 11:00PM** 11:00AM - 11:00PM	12:00 NOON - 11:00PM		
Weight Room	3:30-11:00PM	11:00AM - 11:00PM	3:30 - 11:00PM	11:00AM - 11:00PM	3:30 - 11:00PM	11:00AM - 11:00PM	8:00AM - 11:00PM		
Wrestling Room	3:30 - 5:00PM 9:00 - 11:00P.M.	11:00AM - 5:00PM 9:00 - 11:00PM	3:30 - 5:00PM 9:00 - 11:00PM	11:00AM - 5:00PM 9:00 - 11:00PM	3:30 - 11:00PM	11:00AM - 11:00PM	8:00AM - 1:00PM 4:00 - 11:00PM		
Jogging Track	12:30 - 11:00PM	8:00AM - 11:00PM	12:30 - 11:00PM	8:00AM - 11:00PM	12:30 - 11:00PM	8:00AM - 11:00PM	8:00AM - 11:00PM		
Racquetball Cts.	3:30 - 11:00PM 6:30-9:00PM (6 cts)	12:30 - 11:00PM 6:30 - 9:00PM(6cts)	3:30 - 11:00PM 6:30 - 9:00PM(6cts)	12:30 - 11:00PM 6:30 - 9:00PM(6 cts)	3:30 - 11:00PM	12:30 - 11:00PM	8:00AM - 11:00PM		
REC HALL Main Gym	11:00AM - 12:30PM 3:30-11:00PM	11:00AM - 11:00PM	11:00AM - 12:30PM 3:30 - 11:00PM	11:00AM - 11:00PM	11:00AM - 12:30PM 3:30 - 11:00PM	11:00AM - 11:00PM	8:00AM - 11:00PM		
South Gym	6:30 - 11:00PM	11:00AM - 3:30PM 6:30 - 11:00PM	6:30 - 11:00PM	11:00AM - 3:30PM 6:30 - 11:00PM	6:30 - 11:00PM	11:00AM - 11:00PM	8:00AM - 11:00PM		
Squash Cts.	11:00AM - 12:30PM 3:30 - 11:00PM	11:00AM - 11:00PM	11:00AM - 12:30PM 3:30 - 11:00PM	11:00AM - 11:00PM	11:00AM - 12:30PM 3:30 - 11:00PM	11:00AM - 11:00PM	8:00AM - 11:00PM		
Racquetball (New)	11:00AM - 11:00PM	12:30 - 11:00PM	11:00AM - 11:00PM	12:30 - 11:00PM	11:00AM - 11:00PM	12:30 - 11:00PM	8:00AM - 11:00PM		
Racquetball (Old)	8:00 - 9:30AM 9:30AM - 12:30PM** 12:30 - 11:00PM	8:00 - 9:30AM 9:30AM - 12:30PM** 12:30 - 11:00PM	8:00 - 9:30AM 9:30AM - 12:30PM** 12:30 - 11:00PM	8:00 - 9:30AM 9:30AM - 12:30PM** 12:30 - 11:00PM	8:00 - 9:30AM 9:30AM - 12:30PM** 12:30 - 11:00PM	8:00 - 9:30AM 9:30AM - 12:30PM** 12:30 - 11:00PM	8:00AM - 11:00PM		
Weight Room	11:00AM - 12:30PM 6:00 - 11:00PM	12:45 - 2:00PM 3:00 - 10:00PM	11:00AM - 12:45PM 6:00 - 11:00PM	12:45 - 2:00PM 3:00 - 10:00PM	11:00AM - 12:45 PM 6:00 - 11:00PM	1:00 - 7:00PM	12:00AM - 12:00 PM 6:00 - 11:00PM		
Bowling Alleys	6:30 - 11:00PM	6:30 - 11:00PM	6:30 - 11:00PM	6:30 - 11:00PM	6:30 - 11:00PM	1:00 - 11:00PM	1:00 - 11:00PM		
Jogging Track	3:30 - 11:00PM	11:00AM - 11:00PM	3:30 - 11:00PM	11:00AM - 11:00PM	3:30 - 11:00PM	11:00AM - 11:00PM	8:00AM - 11:00PM		
WHITE BUILDING North Gym	3:30 - 10:00PM	9:30AM - 11:00PM	3:30 - 10:00PM	9:30AM - 11:00PM	3:30 - 10:00PM	9:30AM - 11:00PM	8:00AM - 12:00 NOON 2:00 - 11:00PM		
Squash Courts	9:30 - 11:00AM 12:30 - 4:00PM 5:30 - 7:00PM	8:00AM - 11:00PM	9:30 - 11:00AM 12:30 - 4:00PM 5:30 - 11:00PM	8:00AM - 11:00PM	9:30 - 11:00AM 12:30 - 4:00PM 5:30 - 11:00PM	8:00AM - 11:00PM	8:00AM - 11:00PM		
Swimming Pool	7:00 - 10:00PM	7:00 - 10:00PM	7:00 - 10:00PM	7:00 - 10:00PM	7:00 - 10:00PM	1:00 - 10:00PM	1:00 - 10:00PM		
Room 133	11:00AM - 12:30PM 2:00 - 5:30 PM 6:30 - 8:00 PM	9:30AM - 5:30PM	11:00AM - 12:30PM 2:00 - 5:00PM 6:30 - 8:00PM	9:30AM - 5:30PM	11:00AM - 12:30PM 2:00 - 5:00PM 6:30 - 8:00PM	9:30AM - 11:00PM	8:00AM - 3:00PM 4:00 - 6:00PM 8:00 - 11:00PM		
NATATORIUM		6:00 - 10:00PM	6:00 - 10:00PM	6:00 - 10:00PM	6:00 - 10:00PM	1:00 - 10:00PM	2:30 - 10:00PM		
PLATFORM TENNIS	8:00AM - 12:30PM 3:30 - 9:00 PM	8:00AM - 9:00PM	8:00AM - 12:30PM 3:30 - 9:00 PM	8:00AM - 9:00PM	8:00AM - 12:30PM 3:30 - 9:00PM	8:00AM - 9:00PM	8:00AM - 9:00PM		

** THESE FACILITIES HAVE BEEN SCHEDULED FOR CLASSES IF THE WEATHER DOES NOT PERMIT CLASSES TO MEET OUTDOORS.

* THIS SCHEDULE IS SUBJECT TO CHANGE. Changes will occur due to varsity athletic contests, special varsity practices, concerts etc. You should check athletic schedules and other schedules as

posted to make sure a facility is available when you wish to use it. Some classes that are scheduled for a facility will not use that facility all the time and it will become free. This is not done, however, in any manner in which it can be scheduled on a term basis. For further information call Intramural Bldg. (S-5401), White Bldg. (S-5591), Natatorium (S-1432), Rec Hall (S-2162).

Penn State Intercom

Penn State's resident education most efficiently run in the State

Penn State has the most efficiently run resident education program in the Commonwealth, a fact that elicited praise during the University's 1980-81 budget hearing held March 12 before the House Appropriations Committee.

Legislators questioned President Oswald about faculty productivity, based on an evaluation prepared by the Joint State Government Commission, a legislative support organization in Harrisburg.

The evaluation is part of a "Faculty Output and Salary Costs" report (the "Snyder" Report), which all state-related and state-owned institutions of higher education in the Commonwealth are required to submit annually. The current report covers the period from Fall Term 1978 through Summer Term 1979.

Among the findings in this year's report are:

- Penn State has been able to deliver more service at less cost than any public college or university in Pennsylvania. The State appropriated \$30.65 per unit of production for Penn State (units of production refer to a weighted sum of student credit hours and number of degrees granted). By contrast, the figures for Pitt and Temple were \$35.78 and \$43.69, respectively. (See Chart 1.)
- Although Penn State's appropriation per full-time student is less than that of any other state school, the University has managed to keep both undergraduate and graduate tuition levels below those at Pitt and Temple. (The report also calls attention to the fact that the Secretary of Education has authorized a two-year pilot study under which the state colleges are charging the same tuition for in-state and out-of-state graduate students.
- This means that non-resident graduate students at Penn State pay in excess of \$3,000 per year in tuition; at any of the state-owned schools, their bill is approximately \$1,000 annually.)
- Although the number of full-time equivalent students attending Penn State has decreased during the past three years (54,800 in 1976-77 to 53,600 in 1978-79), the number of degrees granted has increased from 9,840 to 9,950. A similar pattern exists at Pitt. Temple, however, has had a drop-off in both student numbers and degrees granted. (Full-time equivalent students are calculated by dividing undergraduate student credit hours by 30 and graduate student credit hours by 24.)
- Undergraduate credit hour production declined by a total of 62,500 at Penn State, Pitt, Temple and Lincoln between 1977-79, with the decrease at Temple accounting for over one-half of this figure. The only large increase in student credit-hour production occurred at Indiana, which had a 7,050 gain. Penn State's decline was only 1.6 percent.
- The number of full-time equivalent faculty decreased three-tenths of one percent between 1977-79 at the University, while the number of full-time equivalent students decreased approximately 1.5 percent. Pitt reported a faculty decrease of 3.14 percent and Temple of 1.49 percent during this period. (Full-time equivalence is determined by the proportion of salary received from resident instruction funds.) Despite the decline projected in student demand, half of the 18 state-owned

(Continued on page 7)



Dean Palladino plans to step down

Nunzio J. Palladino has announced that he plans to step down as dean of the College of Engineering as soon as his successor is selected.

"I am about two years away from retirement," he said, "and would like to devote my remaining time at Penn State to teaching and completing my book on nuclear reactor engineering."

"My first commitment, of course, is to administer the College of Engineering, and I will continue to fulfill this role until a new dean is named."

In accepting Dean Palladino's plans, President Oswald noted that, under his leadership, the College has expanded its programs considerably.

"Dean Palladino is to be commended," he added, "for helping to make our College of Engineering one of the finest in the country, and for his many years of loyal service to the University."

Dr. Oswald also indicated that when a new dean is ready to serve, Dean Palladino

(Continued on page 7)

News in Brief

SERS statements being mailed

Faculty and staff members who belong to the State Employees' Retirement System (SERS) will shortly receive their retirement account statements containing information as of Dec. 31, 1979.

According to the Office of Personnel Administration, some—but not all—faculty and staff members who are age 55 or older will receive statements containing projected retirement annuities. The University has provided detailed background data to make that possible. However, the Retirement Board did not have all of that data in its computer when these statements were printed. It is hoped that next year's statements will contain such information for all persons age 55 and older.

Faculty and staff members with questions about their retirement account statements should contact the Employee Benefits Division at 865-1473 (Network 475-1473).

New names added to search committee

Three new members have been appointed to the search committee for the position of Vice-President and Dean of the University-wide System of Continuing Education and Commonwealth Universities.

Replacing members who were unable to continue to serve on the committee are: Daniel T. Hopkins, acting vice president for Continuing Education; Thomas J. Knight, associate dean for Commonwealth Campuses and Continuing Education, College of the Liberal Arts; and Richard P. Wolf, assistant director for Continuing Education, Altoona Campus.

Addressing Services can personalize letters

Faculty and staff members who need large quantities of personalized letters and envelopes for use in connection with their work can get the job done at Addressing Services.

A 6640 Document Printer is available in the Business Services Building to personalize survey mailings or for such uses as contacting college alumni and recruiting.

The Printer will prepare an entire letter or any portion thereof, including individual addresses and salutations. It will also do envelopes. The resulting copy looks as if it had been produced on a typewriter, and Printing Services will complete the job by reproducing a signature.

Personnel are available to help set up jobs, and further information may be obtained by calling James F. McKivison, Mailing Service Manager, at 865-4051.

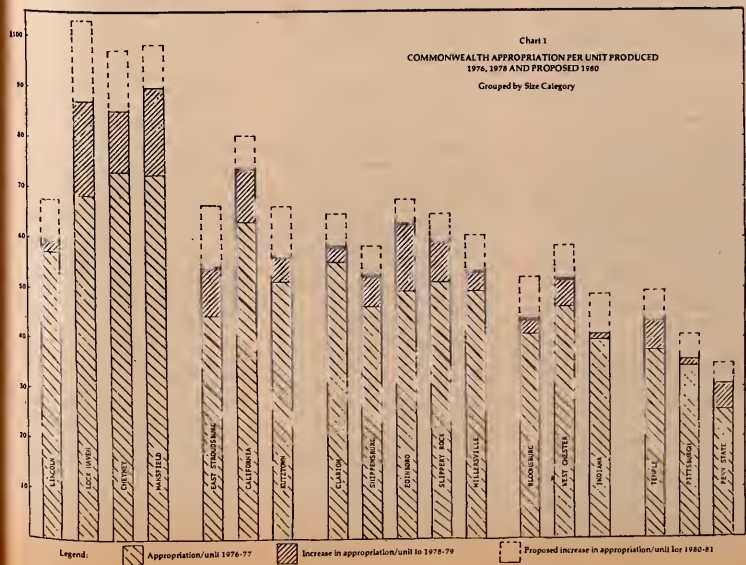
Alien identity cards available

Special identification cards for aliens are now available from the Office of Personnel Administration. Those eligible include aliens currently employed by the University while holding the following visas: F-1 (practical training), H-1, J-1, and J-2 (special permission for employment).

Aliens wishing to receive these cards can make an appointment with Robert W. Dombrowsky, manager of personnel procedures, by phoning 865-0423, Room 130 Willard Building.

The identifications cards can be used by

(Continued on page 7)



Penn Staters

Dr. Neil Mercando, assistant professor of biology at Ogonitz, will receive a \$500 Gustav Ohaus-National Science Teachers Association Award for Innovations in College Science Teaching. The Award will be presented March 22 in Anaheim, CA. To interested students who are not scientifically oriented, Dr. Mercando structured an eight-week course around four overnight field trips and four local one-day trips, combined with lectures and laboratory classes. A member of the Ogonitz faculty since 1976, he earned a B.S. in education from Bloomsburg State College, an M.S. in zoology at Penn State, and a Ph.D. in zoology at North Carolina State University.

Dr. J. Cordell Hatch, professor of agricultural communications, was in southeast Africa Feb. 9-March 8 to evaluate agricultural communications and conservation education programs in Kenya, Seychelles and Swaziland and to initiate design work for new projects sponsored by the U.S. Agency for International Development.

Dr. Jan S. Prybyla, professor of economics, was invited to testify on March 6 before the Senate Foreign Relations Committee. He discussed effects of diplomatic derogation by the United States on the economy of Taiwan.

Dr. Robert A. Schlegel, assistant professor of microbiology, last month presented seminars at UC-Berkeley, Scripps Clinic and Research Foundation, and UC-Irvine. He discussed "Differentiation—Controlled Distribution of the Leukemia-Specific Membrane Probe Mercopyrine 540."

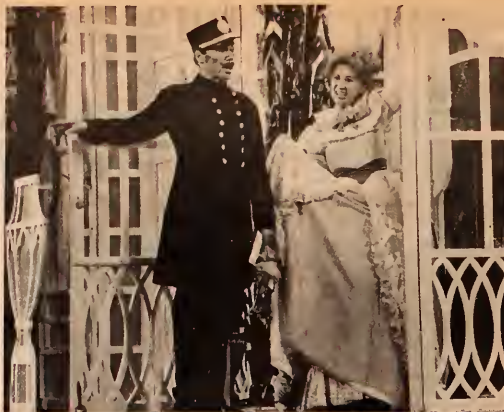
Dr. Henry J. Hermanowicz, dean of the College of Education, has been appointed to a three-year term on the Commission on Governmental Relations established by the American Association of Colleges for Teacher Education. The Commission monitors and comments on federal education legislation, as well as state government initiatives.

Dr. B. Lakshminarayana, professor of aerospace engineering, delivered the keynote address at a symposium on Measurement Methods in Rotating Components of Turbomachinery. His talk was entitled "Techniques for Aerodynamic and Turbulence Measurements in Rotors." Dr. Lakshminarayana was chairman of the organizing committee of the symposium, which was held as part of the Joint Fluids Engineering and Gas Turbine Conference of the American Society of Mechanical Engineers March 9-13 in New Orleans. He will also edit the symposium proceedings.

Dr. Sigmund S. Birkenmayer, professor of Slavic languages, was made an Honorary Member of Phi Sigma Iota, the foreign language honor society, for having distinguished himself in the study, teaching, and promotion of foreign languages and literatures at Penn State. He is the author of several books on Russian language and literature and a co-author of the textbook, *Introduction to the Polish Language*. He is also current president of the Association for the Advancement of Polish Studies and a past vice-president of Dobro Slovo, the National Slavic Honor Society.

Dr. Winfred M. Phillips, associate dean for research, Engineering, has been named to the American Society of Mechanical Engineers' National Standards Committee on Medical Devices. The new committee will be responsible for developing voluntary standards for medical equipment and devices in cooperation with the Food and Drug Administration.

James Lynch Jr., assistant director of international student affairs, was one of 20 doctoral candidates in higher education selected nationwide to participate in the



Robert Trehy, above, recently appeared with soprano Beverly Sills in the Boston Opera Company's production of Strauss's *Die Fledermaus*. Mr. Trehy, a professor of music and Fellow of the Institute for the Arts and Humanistic Studies, played the part of Frankie. Ms. Sills, who appeared as Rosalinda, was making her farewell appearance with the Company, which is directed by Sarah Caldwell.

1990 Seminar on National Higher Education Policy in Washington, D.C., March 3-4. The conclave was sponsored by the American Association for Higher Education and the Association for the Study of Higher Education.

Dr. Chauncey A. Morehouse, professor of physical education, has received the 1980 Honor Award for distinguished service to his profession, from the Eastern District Association of the American Alliance for Health, Physical Education, Recreation and Dance. The award is the District's highest honor.

Bookshelf

Dr. Marshall W. Raffel, professor of health planning and administration, is the author of *The U.S. Health System: Origins and Functions*, a 627-page book published March 1 by John Wiley & Sons. The work is intended as an introductory college text and as a resource for professional health planners and administrators.

In economic terms, the health care system is one of America's largest industries. Dr. Raffel notes: In 1978, Americans allocated \$162,600,000,000—9.1 percent of the GNP—to the health sector of the economy.

"It is an industry beset by growth, increasing complexity, limited resources, and rising costs, which result, inevitably, in problems of citizen access to services, in problems of raising money to pay for services, and in the need for increased coordination of a complex system in terms of ongoing operations and developments," he writes. "These are essentially administrative and planning problems, and the industry is turning more and more to people training in these areas."

The text details the history of medical practice and education in America, as well as the development of hospitals. Subsequent chapters are devoted to medical practice, health costs, health insurance, public health systems, nursing homes and community health agencies. The final chapter covers nursing, physician assistants, dentistry, optometry and podiatry.

The primary motivation for writing the book, Dr. Raffel says, was the absence of an adequate text for the rapidly growing HPA program in the College of Human Development. The HPA program now ranks 20th in enrollment at the University.

A new book of poetry entitled *Zasuto (In Oblivion)* written by Dr. Rolf Preisner, professor of German, has been brought out by a Czech exile publishing house in Munich, Germany. The volume, which is the author's fourth published work of poetry, consists of 32 sections that form a single, continuous composition.

Through an ongoing confrontation with history, spanning from antiquity to the present, Dr. Preisner attempts to find the answer to the question of the meaning of history. He is led by the theme to an objective lyric, where poetry serves as a means towards understanding.

Writing in his native Czech, the author also uses Latin, English, German and Old-French in verses or quotations, as well as mathematical symbols.

Dr. William R. Schmalstieg, professor and head of the Department of Slavic Languages, is the author of a new book entitled *Indo-European Linguistics: A New Synthesis*, just published by The Pennsylvania State University Press.

Professor Schmalstieg argues that the commonly accepted theories of the development of the Indo-European language derive from traditional notions which exclude the possibility of vast typological changes. There exist numerous alternative scenarios which could explain the observed phenomena just as well. The author suggests that certain phonological phenomena of such languages as Hittite, Sanskrit, Greek, Latin, Baltic and Slavic may be explained in a completely new and different way. In addition he proposes that the relationship of noun and verb in the earliest forms of these languages may have been similar to that encountered in such Caucasian languages as Avar or Georgian. He concludes that specialists in the Indo-European languages have limited their horizons with the unjustifiable assumption that the earliest proto-language resembled closely the extant languages.

Professor Schmalstieg completed the research for this book in the academic year 1978-79 in Freiburg, Germany, as the recipient of an award from the National Endowment for the Humanities.

John Balaban's *Ca Dao Vietnam* has been published by the Unicorn Press. The book is a bilingual collection of old folk poems which Mr. Balaban taped in Vietnam in 1971-72. Along with the poems, the book includes a description of the old tradition and photographs of *ca dao* singers.

This anthology is the first such presentation in the West of an important aspect of Vietnamese culture. Mr. Balaban, an associate professor of English, is also the author of *After Our War*, which won the 1974 Lamont Award of the Academy of American Poets.

Dr. George E. Andrews, professor of mathematics, is the author of the book, *Partitions: Yesterday and Today*, published by The New Zealand Mathematical Society.

The volume arose out of a series of lectures Dr. Andrews presented in a tour of New Zealand universities when he was the New Zealand Mathematical Society

Visiting Lecturer in 1979.

The book contains an account of some historical and modern developments in the theory of partitions and is designed to be of interest and value to both specialist and general mathematical readers.

Dr. Andrews has been invited to join the panel of visiting lecturers of the Mathematical Association of America for the 1980-81 academic year. MAA Visiting Lecturers visit colleges and universities throughout the country to give formal lectures, confer with students and faculty members, and cooperate with the host institution in all ways possible to further the aims of mathematics programs.

Laurent LeSage, professor emeritus of Romance languages, is co-author, with Lucie Heymann, of a study of the last years of French novelist and playwright Jean Giraudoux, published by the Parisian firm that handled most of Giraudoux's own work, Grasset. Entitled *Les Dernieres Annees de Jean Giraudoux*, it is the eighth in a series of monographs on the life and work of the widely read author.

The work is based on a collection of letters obtained a few years ago by Pattee's Rare Books Room, which has considerable holdings on this author. Beginning when Giraudoux was head of the Ministry of Information in France, the letters cover the period from the eve of World War II until the author's death in 1944.

"Frequently, an author's style is different in his personal writing from in his professional work," Dr. LeSage notes. "But in these letters, one finds the same type of whimsy that is characteristic of Giraudoux in such works as *The Madwoman of Chaillet*. The letters are sometimes sentimental, often touching."

Mme. Heymann is the mother of Dr. Isabelle Armitage, a former member of Penn State's Department of French.

Although the port of Philadelphia has enjoyed a long history of international trade, the Delaware River, upon which it depends for much of its success, is a long and often treacherous waterway requiring highly skilled river pilots. To assist navigation and to plan improvements to the river in the form of markings and dredgings, the State of Pennsylvania in 1766 established a regulatory board, the port wards.

As the oldest continuing regulatory body in the United States, the port wards shared in the historical developments of the city and state, assisting in wars and preparing for future growth during peace. Based on records of the board, preserved in the Pennsylvania Archives in Harrisburg, Dr. Eugene R. Slaski, assistant professor of history at Allentown, has prepared a study, *Poorly Marked and Worse Lighted*.

The book, published by the Department of Commerce in Harrisburg, follows the trials of the wardens from their origins to 1907, when the state created the Navigation Commission for the Delaware River and Its Navigable Tributaries. Pilot grievances, port expansion, river improvement, and much more, including political maneuvering, fill the pages of the wardens' history, which relies primarily on the minutes of the board and the laws which impacted on the activities of the wardens.

A member of the faculty since 1970, Dr. Slaski was graduated from East Stroudsburg State College and earned his M.A. and Ph.D. at Lehigh and Florida State Universities, respectively.

Appointments

Maurice S. Kramer as professor of agriculture studies and director of 4-H Youth Programs. B.S., M.Ed., Ph.D., Iowa State U. Formerly associate professor, State U. 4-H leader, Iowa State.

James Garbarino as associate professor of human development. B.A., St. Lawrence U., M.A.T., Ph.D., Cornell U. Formerly research fellow, Center for the Study of Youth Development, Boys Town, NE; Mitchell Prize winner.

John D. Miller as associate professor of electrical engineering. B.S., M.S., Ph.D.

PSU. Formerly associate professor, U. of Texas-El Paso.

Richard N. Artega as assistant professor of olericulture, B.S., M.S., Utah State U.; Ph.D., Washington State U. Formerly post-doctoral associate, Washington State.

Stephanie Doores as assistant professor of food science, B.S., College of St. Elizabeth; M.S., Ph.D., U. of Maryland. William Grisley as assistant professor of agricultural economics, B.S., U. of Wisconsin-Madison; M.S., Ph.D., U. of Illinois.

Ross C. Hardison as assistant professor of biochemistry, B.A., Vanderbilt U.; Ph.D., U. of Iowa; post-doctoral fellow, Cal. Tech.

Robert R. Kulikowski as assistant professor of anatomy and physiology at Hershey, A.B., U. of Rochester; Ph.D., SUNY-Albany. Formerly research associate, U. of Chicago.

Gary L. Messing as assistant professor of ceramic science and engineering, B.S., Alfred U.; Ph.D., U. of Florida. Formerly research scientist, Battelle Memorial Inst. Chen-Pei D. Tu as assistant professor of biochemistry, B.S., National Taiwan U.; Ph.D., Cornell U.; post-doctoral fellow, Stanford Medical School.

Pauline W. Goldstein as senior assistant librarian; head, catalog maintenance, A.B., Barnard College; M.L.S., S. Conn. State College. Formerly acquisitions librarian, Carnegie-Mellon U.

Barbara C. Dean as assistant librarian, monograph original cataloging, B.A., Northern Illinois U.; M.L.S., U. of N. Carolina. Formerly assistant librarian, Colonial Williamsburg Foundation. Raymond J. Dopkin as research assistant, A.R.L., B.S., PSU. Formerly engineer, DUPONT.

Promotions

Staff Extension

Hedaine D. Brown to assistant Extension agent in Agriculture.

Mary Alice Miller to senior application analyst/programmer in Planning and Budget.

Donald N. Plourde to assistant financial officer in Controller's Office.

Carol G. Reitz to assistant chief radiologic technologist at Hershey.

Staff Non-Extension

Cynthia A. Baker to senior staff nurse at Hershey.

Samuel J. Duck to central control systems coordinator in Physical Plant.

Margaret B. Hindley to librarian assistant at Ogonitz.

Betsy L. Lauzon to administrative aide at Hershey.

Cathy S. Love to junior data documentor in Management Services.

Rita J. Schlesier to junior programmer in Management Services.

Clerical

Janet L. Beaulieu to secretary B in Science. Jo E. Burd to secretary C in Human Development.

Doris M. Dehart to patient unit secretary at Hershey.

William J. Gentzel to senior teller in Controller's Office.

Marilyn A. Henry to secretary B in Continuing Education at Delaware County.

Shirley M. LeFrancotte to secretary B in Intercollege Research Programs.

Susan K. Lightner to operations documentation clerk B in Management Services.

Kimberly A. Rhoads to data preparation operator B in Management Services.

Mini C. Ridenour to data preparation operator B in Management Services.

Kristina Schulz to senior clerk, Credit & Collections, at Hershey.

Technical Service

John L. Daughenbaugh to maintenance worker in Physical Plant.

Kathy J. Dobson to food preparer B in Housing & Food Services.

Megan E. Dwyer to operating room assistant at Hershey.

Alfred Fish to janitorial worker, group leader (utility) in Physical Plant.

Kevin J. Frank to patrol officer at Hershey. John W. Hazzard to maintenance worker (utility) in Physical Plant.

Robert Hensal to maintenance worker (utility) in Physical Plant.

Reba B. Holley to laboratory attendant A at Hershey.

Leroy M. Inhof Jr. to baker (utility) in Housing & Food Services.

Donald L. James Jr. to utility worker at Hershey.

Albert G. Neidrick to family housing project worker in Housing & Food Services.

John P. Timchak to residence hall preventive maintenance worker in Housing & Food Services.

Victor L. Waite to maintenance worker, plumbing and piping, in Physical Plant.

Mark E. Weikel to storeroom clerk at Hershey.

Staff Development

Recent graduates of the Oral Communications/Talking With People Course are:

Jean Boyd, promotion specialist, Continuing Education; Edward DeBrasky, estimator, jobs and projects, Physical Plant; Allan Derzak, administrative assistant, Personnel Administration; Francis Hooley, manager, business operations, Library; John Kello, manager, mechanical/electrical planning and development, Physical Plant; Judy Kelly, writer/editor, Continuing Education; Wally Lester, assistant director for Conference Center, Continuing Education; Dorothy Lyons, personnel & training specialist, Physical Plant; Paul McGhee, accountant, Controller's Office; Mary Alice Miller, applications analyst/programmer, Planning & Budget; Glenn Mulberger, assistant housekeeping supervisor, Housing & Food Services; Ann Shields, producer/director, Continuing Education; Beatrice Swift, administrative assistant, President's Office; Robert Vaughn, coordinator/inspector, Physical Plant.

Fourteen University employees have completed a course in Basic Supervisory Management. They are:

R. Bruce Adams, producer/director, Continuing Education; Jon Bierly, foreman, service desk dispatch, Physical Plant; Martha Carter, technical secretary, ARL; Kenneth Dixon, group leader, mechanical, experimental and maintenance, Engineering; Theodora Hoover, secretary A, Planning & Budget; Peggy Lynch, secretary B, Science; Wilbur Miller, foreman, service desk dispatch, Physical Plant;

Carl Musgrave, janitor foreman, Physical Plant; Guy Mussey, janitor foreman, Physical Plant; Jerry Sawyer, editorial assistant, Continuing Education; Howard Sharpless, supervisor of maintenance, Housing & Food Services; Jim Snyder, assistant supervisor, presentation services, Continuing Education; Lydia Waslenko, assistant librarian, cataloging, Patee; Kathy Rockey, secretary A, Science.

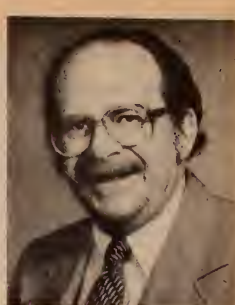
Employees completing an eight-session course in Report Writing-Preparation and Organization include:

Lawrence Bair, project architect, Physical Plant; Rosalie Bloom-Brooks, unemployment compensation specialist, Personnel Administration; Fred Burns, supervisor, presentation services, Continuing Education; Elinor Corawella, program analyst, Agricultural Data Processing Lab; Zorina Carby, bilingual secretary, Agricultural Education;

Linda Ebert, manager, test kitchen, Housing & Food Services; Kim Evancho, secretary B, Agriculture Administration; D. Marie Frye, senior records clerk, Continuing Education; Shirley Gryczuk, personnel assistant, Physical Plant; John



William H. Reiber



Michael R. Lynch

Harchak, assistant budget supervisor, Continuing Education; Bob Hogue, applications programmer/analyst, Management Services; Ralph Hosterman Jr., accountant general, Housing and Food Services;

Jack Knee, senior mechanical/electrical engineer, Physical Plant; Robert Knouse, senior electrical engineer, Physical Plant; Ed Nadzom, housekeeping supervisor, Housing & Food Services; Thomas Rodkey, scheduler, planner, Physical Plant; Marsha Shivery, senior accounting clerk, Agriculture Administration; Edwin Windell, chief inspector, Physical Plant; David Witmer, research assistant, ARL.

Retirements

Michael R. Lynch, associate professor of agricultural Extension and, since 1963, coordinator of staff development for the Cooperative Extension Service, will retire March 31 with over 34 years of service.

Mr. Lynch was appointed to the Extension Service staff in 1945 as assistant Schuylkill County Extension agent. Four years later he was named Extension visual aids specialist with headquarters on the University Park Campus.

He holds a B.S. in agriculture and M.S. in educational rural sociology, both from Penn State.

During his tenure as coordinator of staff development, Mr. Lynch administered the development of in-service training and educational improvement programs for the Extension Service staff, which numbers over 400 professional employees.

Long active in alumni affairs, Mr. Lynch has shown "for the Glory of Old State," a slide and music program which he prepared himself, more than 600 times to alumni clubs and other groups. His exceptional service was recognized in 1977 when the University presented him with the McKay Donkin Award.

When William H. Reiber, director of operational services in Housing and Food Services retires on April 1, he will end a relationship with Penn State that has stretched over more than 30 years.

He joined the staff in 1949, just after the Foods Building had been built and food services centralized, calling on a background in business for his first post as a food cost analysis clerk. He became supervisor and, in 1961, manager of business operations for all of Housing and Food Services. In 1971 he was appointed assistant director of housing, and four years later assumed his present post, in which he oversees business management for the entire housing and food services operation.

Mr. Reiber and his wife, Katherine, have two sons, William and James, both of whom were graduated from Penn State in 1973.

Louise Barto thinks Penn State's benefits are "wonderful."

A dining hall worker with Housing and Food Services, Ms. Barto retired officially March 1 after 30 years of service. As a conscientious worker during these years, she had accumulated 95 days of sick leave, so last fall when her doctor told her that she

would have to stop working for reasons of health, she was able to "cash in" those sick days and continue to receive her pay checks through Feb. 12, 1980. After that date, she had enough vacation days left to take her up to March 1.

Ms. Barto, a widow and the mother of a married son and daughter, lives in Warrior's Mark. She reports that the rest she has had since she stopped work has benefited her health — and her sick leave has benefited her pocketbook.

Nydia S. Finch, an administrative assistant in the Department of Philosophy since March 1, 1971, will retire April 1.

Obituaries

Dr. Robert E. Weber, an assistant professor of mathematics at Shenango Valley, died March 12 at the age of 53. Dr. Weber held B.A. and M.A. degrees from Ohio University and a Ph.D. from Indiana University at Bloomington. He joined the faculty Sept. 1, 1975.

Doris J. Hughes, an administrative aide at Capitol Campus, died March 11 at the age of 53. She started at Capitol in 1968 as a clerk-typist, was promoted to secretary B in 1973, and to her last post in 1976.

Madeline E. Casper, a food preparer with Housing and Food Services from Feb. 14, 1955, to April 1, 1971, died March 6. She was 70.

Carpoolers

The Penn State employees listed below are interested in sharing rides. Persons desiring a listing in INTERCOM should send in their names to Room 312 Old Main and include information on their residence, work location, arrival and departure times, phone numbers at home and work, and whether drivers, riders or both are sought.

Lori L. Winnick, Huntingdon (643-2478), works 8 a.m. to 5 p.m. in Chambers Building (865-6321). Will pay to ride, share driving or accept riders.

Betty Norfolk, Bellefonte (355-0082), works 5 p.m. to 1:30 a.m. in Visual Arts Building (865-2375). Would like to have two riders.

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Nobel Laureate to speak at Keller

Dr. Herbert Simon, professor of computer science and psychology at Carnegie-Mellon University and 1978 winner of the Nobel Prize for economics, will deliver the Graduate School Lecture at 8 p.m. Wednesday, March 26, in the J. Orvis Keller Conference Center Auditorium. His topic will be "Computer Simulation of Human Thinking."

The lecture is sponsored by the College of Business Administration, the College of the Liberal Arts and the College of Science.

Dr. Simon's work in the social sciences has been varied, but the Nobel Committee cited his achievements in economics, beginning with his book, *Administrative Behavior*, in 1949.

In that work, Dr. Simon challenged classic economic theories which held that businessmen always try to maximize profits. Instead, he said, they settle for "satisfactory" profits because they possess incomplete knowledge of options and face unknown risks.

Along with Dr. Allen Newell, another faculty member, Dr. Simon developed in 1955 the first computer system in which computers were used to behave in a humanoid fashion in the processing and selection of data.

As involved with human psychology as with technology, one of his major research interests is understanding human thought processes through computer programs that parallel human reasoning.

Dr. Simon holds bachelor's and doctoral degrees from the University of Chicago and is a member of the National Academy of Sciences.

His books include *Human Problem Solving* (with Dr. Newell), *The New Science of Management Decision*, *The Sciences of the Artificial*, and *Models of Thought*.

Paintings, prints and drawings by Francis Couch, art coordinator at Dobbins Area Vocational Technical School in Philadelphia, are on display at the Paul Robeson Cultural Center through April 3.

A Spring Term Sampling



Two pieces of enameled porcelain from 18th century China.

Chinese export porcelains on view at Museum of Art

Visitors to an exhibit of Chinese porcelains hardly expect to confront dual coronets, scenes from the *Decameron* or Dutch maidens, but they are all on display in the current exhibit at the University's Museum of Art.

The items, which will be shown until May 11, are Chinese export porcelains from the collection of Dr. and Mrs. Harold L. Tonkin.

Dating from the 17th, 18th and early 19th centuries, the pieces were made in Canton for the "foreign devils" whose passion for Chinese porcelain was seemingly inexhaustible.

Trading ships from Holland, France, Sweden, England and America, as well as Denmark, Prussia, Austria, and even Brazil, anchored at the island of Whampoa, 12 miles down the Pearl River from Canton. The authorities allowed no contacts between the merchants and the Chinese people, according to Hedy Landman, who wrote the preface for the show's Catalog, which was compiled and annotated by Dr. Olga K. Preisner, curator of the Museum.

Outside the walled city of Canton, a strip of land was set aside for the foreign "factories," Ms. Landman explains, where warehouses, offices and temporary living quarters.

"... the Chinese were willing to accommodate special requests for shapes alien to their own needs and customs..." Ms. Landman continues. "By the middle of the seventeenth century the Dutch were sending carved and painted wooden models to Canton, and the exported vessels took on an increasingly Western character. Tureens, coffeepots and teapots (the latter not a Chinese invention but a Western adaptation of a Chinese rice wine pot), plates and platters with flat rims, pitchers and jugs, saucers, salts, candlesticks—even chamber pots were produced by the workers..."

Americans entered the China trade in 1884, by which time porcelain had become readily available in Europe, and the quality of Chinese workmanship had begun to decline. America, however, as yet possessed no factories for the manufacture

of fine China, and, as Ms. Landman writes, "a great many wealthy citizens were eager to acquire for themselves the amenities of elegant living..."

Visitors to the Museum will have the chance to admire a wide variety of Chinese export porcelains. Dr. Preisner points out. Among them are a number of figurines, including the Dutch girl, complete with a lacy winged cap and pointed red shoes. Similar figures were often made using European prints as models. Dr. Preisner explains.

A pair of enameled porcelain elephants dating from the late 18th or early 19th century have been lent by Dr. and Mrs. Tonkin. They were designed to serve as candlestick or joss stick holders. Other figurines include a pug dog, a cat—also a candlestick—and a pair of water buffaloes whose glazed finish naturalistically simulates hair.

An interesting octagonally-shaped tureen has rabbit head handles, while the knob on its lid is a bursting pomegranate. A second oval tureen has handles shaped as shells. Angels hold a coronet aloft on the side of a teapot made about 1763. On a plate of the same period, an erotic scene from Boccaccio's *Decameron* appears.

In the center of an octagonal platter, an elephant and his rider appear surrounded by an all over flower pattern in low relief—a bianco-sopra-bianco ground. Other important pieces include a punch bowl, a hot water dish; a pair of fruit baskets with pierced sides, a style derived from the Japanese; and several pieces decorated in the Fitzhugh pattern with four medallions surrounding a center motif.

Ordering porcelains decorated with one's coat of arms was not without risk, Ms. Landman notes. Literal-minded Chinese workers often followed instructions written on the designs sent to them as models to the letter. Accordingly, hundreds of pieces of tableware were delivered to customers with such notation as "Copy these arms exactly" neatly inscribed on each and every piece.

An exhibition of drawings by Frederick J. Tarr is being presented at the University's Kern Graduate Commons through March 11.

Pittsburgh Symphony residency to include concerts, workshops, talks

During its eighth residency, the Pittsburgh Symphony Orchestra, with guest conductor Michael Tilson Thomas, will present two evening concerts, Friday, March 28, and Saturday, March 29, at 8:30 p.m. in Eisenhower Auditorium.

A Saturday morning Youth Concert will be narrated and conducted by Victoria Bond, while a series of workshops are scheduled throughout the week under the auspices of the School of Music.

The Symphony, considered to be one of the finest orchestras in the world, is also one of seven major American orchestras whose national tours are being underwritten by AT&T's "Bell System American Orchestras On Tour" program.

Composed of 107 musicians, the Pittsburgh Symphony has toured extensively throughout the United States, Canada, Mexico, Europe, the Middle East, and Japan, and performs for six weeks each summer at the Temple University Music Festival in Ambler, near Philadelphia. The Symphony has been widely viewed on television through the series "Prestin and the Pittsburgh."

An all-Stravinsky concert on Friday evening will include Symphonies for Wind Instruments, Variations ("Aldous Huxley in Memoriam"), the Symphony of Psalms, with the Penn State Singers, and *Le Sacre du Printemps*.

On Saturday evening, the Pittsburgh players will perform Mendelssohn's Overture, "The Hebrides"; Rachmaninoff's Rhapsody on a Theme of Paganini for Piano and Orchestra, with guest soloist Ilana Vered; and Tchaikovsky's Symphony No. 5 in E Minor, Opus 64.

The Youth Concert, which is part of the



Ilana Vered
Lively Arts for Young Audiences series, will begin at 10:30 a.m. Saturday in Eisenhower Auditorium. The concert features Saint-Saens' "Carnival of the Animals."

Tickets for the Saturday evening concert will be sold beginning Tuesday, March 25, from 9 a.m. to 4 p.m. at the HUB booth and Eisenhower Auditorium box office.

A limited number of tickets are available for Friday's concert.

The Pittsburgh Symphony Orchestra's residency is presented by the Artists Series, in cooperation with the School of Music, and is supported in part by grants from the A.W. Mellon Educational and

Trust, the National Endowment for the Arts, and the Pennsylvania Council on the Arts.

As part of its residency, the Symphony will conduct a number of workshops, lectures, rehearsals and coaching sessions, all of which will be free and open to the public.

For the first event, Donald Johanos will conduct student soloists and members of the Pittsburgh Symphony in readings of works by Mozart, Weber, Haydn and Griffes from 3:30 p.m. to 6 p.m. Tuesday, March 25, in Eisenhower Auditorium.

Tuesday evening, Pittsburgh Symphony conductor Michael Tilson Thomas will conduct a one-to-one rehearsal with members of the Pittsburgh Symphony and the Penn State Symphony from 7:30 p.m. to 10 p.m. in Eisenhower Auditorium.

Works scheduled to be performed are the last movement of Tchaikovsky's Symphony No. 2 ("The Little Russian"); the Overture-Fantasy from Tchaikovsky's "Romeo and Juliet," Stravinsky's "Firebird Suite" and "Dance Russe," "Dance of the Coachmen" and "Nurse's Dance" from Stravinsky's "Petrouchka."

Two events are scheduled for the morning of Wednesday, March 26, in the Music Building Recital Hall. At 9:30 a.m., Randolph Kelly, principal violinist of the Pittsburgh Symphony, will coach the Penn State graduate string quartet, with a second cellist, in a performance of Schubert's String Quintet in C Major. At 11 a.m., a small ensemble from the Symphony, directed by Pittsburgh violinist Eugene Phillips and featuring recitalist Phyllis Jo Kube, will perform Schoenberg's *Pierrot Lunaire*, opus 21.

The second reading will take place from 1 p.m. to 3:30 p.m. Wednesday afternoon in Eisenhower Auditorium. Student

soloists will perform the first movements of works by Bruch, Puccini, Verdi, Haydn, Mendelssohn, Beethoven and Schumann. Mr. Johanos will conduct as Symphony members accompany the students.

A lecture on Russian virtuoso composers will be presented by Michael Tilson Thomas at 4 p.m. Wednesday in the Music Building Recital Hall.

The final one-to-one rehearsal, with members of the Symphony and Musica da Camera, the University's chamber orchestra, will be held from 7 p.m. to 9:30 p.m. Wednesday in Eisenhower Auditorium. Mr. Johanos will conduct the musicians in performances of Handel's "Royal Fireworks" Suite, Stravinsky's "Pulcinella" Suite and the Bach Brandenburg Concert No. 3.

On Thursday, March 27, an event will be open to the public. Leonard Sharrow, principal bassoonist of the Pittsburgh Symphony and a part-time faculty member in the School of Music at the University, will coach the Claremont Woodwind Quintet in a performance of Poulenc's "Sextuor" from 3:30 p.m. in the Music Building Recital Hall.

Two events will be open to the public Friday afternoon, March 28. At 2 p.m. in the Recital Hall, Kathleen Butera, assistant manager of educational activities for the Pittsburgh Symphony, will head a panel discussion on preparing young people's concerts. Victoria Bond, Exxon Arts Endowment assistant conductor of the Pittsburgh Symphony, will lead a conducting workshop with the Penn State Symphonic Wind Ensemble at 4 p.m. in Room 110 of the Music Building.

Spanish dramatist to attend premiere of his play

Dr. Jose Martin Recuerda, one of Spain's foremost contemporary dramatists, will spend a three-week residency at the University during the American premiere production of his acclaimed play, *The Inmates of the Convent of Saint Mary Egyptian*.

A University Resident Theatre Company production, *The Inmates* will be performed at the Pavilion from March 27-29, April 1-5 and 8-12. The play has been translated to English by Dr. Robert F. Lima Jr., professor of Spanish and comparative literature, and is being directed by Manuel R. Duque, associate professor of theatre arts.

The play, suppressed during the Franco regime but produced in 1977 shortly after his death, is a version of the last days of Mariana de Pineda, a martyr for the cause of Spanish freedom during the reign of Fernando VII (1813-1833).

Dr. Recuerda, the founder of the first university department of theatre in Spain at the University of Salamanca, where he now teaches, will be the guest of the Institute for the Arts and Humanistic Studies during his stay at Penn State.

On Monday, March 24, he will present a public lecture on his own theatre—that of social concern and criticism, protest and indictment—at 8 p.m. in Room 101 Kern. His talk, to be given in Spanish, is entitled "Creacion, arranque y evolucion de un autor dramático durante la España de Franco y la transición a la democracia." A reception will follow.



Cover of playbill from Spanish production of "The Inmates of the Convent of Saint Mary Egyptian."

On Thursday, April 3, Dr. Recuerda will speak in Spanish on "El amor y la muerte en el teatro de Garcia Lorca" at 8 p.m. in Room 112 Kern. Garcia Lorca, author of a trilogy of poetic dramas, is Spain's best-known 20th century dramatist. The program also will include a dramatic reading, by students and faculty members of the Department of Spanish, Italian and Portuguese.

A highlight of Dr. Recuerda's visit will be an international symposium on the

Contemporary Spanish Drama to be held in the Faculty Building from Thursday, April 10, through Saturday, April 12.

Symposium participants will attend sessions dealing with four of Dr. Recuerda's plays and will hear an address on Recuerda's theatre by Professor Francisco Ruiz Ramon of Purdue University, the foremost critic of the contemporary Spanish theatre. Also scheduled are sessions on the theatre of the post-civil war epoch in Spain, an address by Dr. Recuerda, and a buffet dinner for the panelists to be given by the Consul General of Spain, H.E. Rafael de los Casares. Participants also will attend *The Inmates*, and two panels will discuss the URTC production.

The symposium is being organized and directed by Dr. Martha T. Halsey, professor of Spanish. She met Dr. Recuerda in 1976 while researching the contemporary Spanish theatre, and that association has resulted in Dr. Recuerda's visit to Penn State.

Dr. Recuerda, who directed the student theatre at the University of Granada from 1952-60, has had nine of his plays performed by professional companies in Granada and Madrid. The recipient of various awards for directing, he has participated in theatre festivals in Canada, Italy and Spain and has been a visiting professor at the University of Washington and Humboldt State College. His doctorate in Spanish literature was conferred by the University of Granada in 1975.

Stanford biologist will deliver Pollard Lecture

Dr. Philip C. Hanawalt, professor of biology at Stanford University, will present the Ernest C. Pollard Lecture at the University Friday, March 28.

He will discuss "Cellular Responses to Damaged DNA in Bacteria and Mammals" at 3:45 p.m. in Room 112 Kern Building.

The lecture, which is open to the public, is sponsored by the Ernest C. Pollard Lecture Fund and the Department of Microbiology, Cell Biology, Biochemistry, and Biophysics.

Dr. Hanawalt's major research interest is molecular biology. He is probably best known for his studies of DNA repair in bacteria and mammalian cells exposed to ultraviolet light and mutagenic chemicals.

A co-author of the book, *Molecular Photobiology*, he has edited numerous monographs on DNA repair.

The lecture series, established in 1973, is named in honor of Dr. Ernest C. Pollard, Evan Pugh Research Professor Emeritus of Biophysics and former head of the Department of Biophysics at the University. The 1980 lecture is the fourth to be held at Penn State. The lectures are held in alternate years at Yale University, where Dr. Pollard also served as head of the Department of Biophysics prior to his service at Penn State.

An exhibition of mapsaces by Beth J. Fogel is at Kern through Friday.

Capitol to host Trustees, TMI seminar, authors

Penn State's Capitol Campus is starting the decade with a burst of activities highlighted by the March meeting of the University's Board of Trustees tomorrow and Saturday.

The March meetings are traditionally held at Hershey, but were moved this year in recognition of the appointment of the new Capitol Campus Board of Advisers. The Trustees will meet the Advisers at a Friday night banquet jointly hosted by President and Mrs. Oswald and Provost and Mrs. Theodore L. Gross.

"We are most gratified that the Board of Trustees has decided to meet at the Capitol Campus," said Board of Advisers Chairman Ralph Peters. "It is indicative of the support for Capitol within the University and offers exciting prospects for the future of this campus."

A year ago, that future looked far from bright with the initial accident at the nearby Three Mile Island nuclear power plant. That unprecedented event and its implications will be the subject of a day-

long conference at the Campus on Friday, March 28.

"Three Mile Island—One Year Later: What Have We Learned?" will feature three sessions: the role of the media in the crisis, the impact of the accident on the community, and the responses of various area institutions. They will be moderated, respectively, by faculty members Eton F. Churchill, Robert Bressler and Provost Gross.

On Monday evening, May 13, three prominent writers will be the guests at Capitol's Second Annual Book and Author Dinner, to be held at Harrisburg's Host Inn. They are Bel Kaufman, author of *Up the Down Staircase* and *Love, Etc.*; Nancy Tischler, author of *Tennessee Williams, Black Masks and Legacy of Eve*; and W.S. Kunickaz, author of *The One Thousand Hour Day*, *The Stempinski Affair*, *My Name is Million* and *And The March*.

The event will consist of a cocktail party (cash bar), dinner, a panel discussion and question and answer period, and an

autographing session. Tickets, \$12.50 each, are available from the Campus Relations Office.

The newly revitalized Capitol Campus Alumni Society will be holding a joint Spring Festival with the Harrisburg/Penn State Club on May 13.

The newly renamed Richard H. Heindel Memorial Library will be dedicated on June 6. Dr. Heindel, the first dean of faculty at Capitol from 1967-73 and a professor of international relations from 1967 until his retirement with emeritus rank in 1978, died on July 31, 1979.

In addition, Vol. 1, No. 1 of *The Capitol Campus Papers* made its appearance in January. The *Papers* is to be a reprint series of distinguished campus lectures which address the humanistic and moral dimensions of social forces in America. The first issue replicates the lecture of Dr. Maxine Greengard, professor of philosophy and education at Teachers College, Columbia University, on "Ethical Predicaments and the Professions." It was presented on April 17, 1979.

Faculty, staff invited to attend Music in Interesting Times lectures

Throughout Spring Term, members of the faculty and staff are invited to tune in on a series of special lectures, part of a new course, Music 297 A—Music in Interesting Times.

The focus of the course is the role of music in the development of American culture, a theme which will be expounded by music scholars, critics, composers and performers.

Lectures for the 15th period class (3 p.m. to 5:10 p.m.) are held in the Music Building Recital Hall. The speakers and their topics are:

Samuel Bayard, professor emeritus of English and comparative literature, will discuss Pennsylvania folk music on March 24. His talk will be followed by a performance by the Rustical Quality String Band, a State College group specializing in traditional American country music.

"Concert Music: Who Are Our Composers Writing For?" will be the topic of a talk by Dr. Robert P. Morgan on March 31. Dr. Morgan, a composer and critic, is a member of the music faculty at the University of Chicago.

On April 2, a lecture/demonstration on electronic music will be presented by Burt Fenner, a professor in the School of Music at the University.

Dr. Leonard B. Meyer, Benjamin Franklin Professor of Music and Humanities at the University of Pennsylvania, will discuss "Music Today . . . and Tomorrow" on April 14. Dr. Meyer is the author of *Emotion and Meaning in Music* and *Music, the Arts and Ideas*.

A discussion on music and women will be led by Joanne Feldman, associate professor in the School of Music and first violinist with the Alard String Quartet, on April 16.

On April 21, the class will hear a lecture by Kenyon Enryrs-Roberts, a composer of film scores. Mr. Enryrs-Roberts will be a guest of the Institute for the Arts and Humanistic Studies.

A joint presentation by two University faculty members—Bruce Trinkley, associate professor of music, and Patricia Heigel-Tanner, assistant professor of dance—will focus on the relationship of music and dance in society. Their lecture

will be presented on April 23.

On April 28, Barbara Wheeler of the Montclair State College music faculty will speak to the class on music therapy.

The development of Black music in America in the last decade, "The Black Music Scene: 1968-1979," will be the topic of a talk by Dr. Dominique Rene de Lema on April 30. Dr. de Lema is currently on the faculty of Morgan State University.

On May 5, Leslie Bergs will present a lecture/demonstration entitled "Music and Children: The Suzuki Approach." She directs the State College Talent Education Program.

"Funding the Arts" is the title of a talk by Ezra Laderman, composer and director of the Music Division of the National Endowment for the Arts, on May 7.

The final lecture will be given by Father James May, chaplain at the Eisenhower Chapel, on May 12. He will discuss the relationship of music and religion.

The lectures for "Music in Interesting Times" are being coordinated by Dr. Suzanne Roy, an assistant professor in the School of Music. There is no charge to those who wish to attend.



Polanyi to present Priestley Lectures

Dr. John C. Polanyi, an internationally distinguished physical chemist, will present the 1980 series of Priestley Lectures at the University March 31 through April 3.

The lectures, titled "The Molecular Dynamics of Simple Chemical Reactions," are open to the public. They are sponsored by the Mu Chapter of Phi Lambda Upsilon, a chemistry honorary society, and the College of Science.

The first lecture, "Infrared Chemiluminescence and Chemical Lasers," will be presented at 8 p.m. Monday, March 31, in Room 119 Osmond Laboratory. The remaining lectures, to be offered April 1, 2, and 3 in Room 333 Whitmore Laboratory at 8 p.m., will be listed in the INTERCOM calendar.

Dr. Polanyi, a University Professor and professor of chemistry at the University of Toronto, has contributed to the fields of chemical reaction kinetics, photochemistry, chemiluminescence, and energy transfer. He is probably best known for his pioneering research on the role of vibrational and rotational energy in chemical reactions.

He is a fellow of the Royal Society of Canada; a fellow of the Royal Society of London, England; an honorary foreign member of the American Academy of Arts and Sciences; and a foreign associate of the U.S. National Academy of Sciences.



Varied fare provided at campuses is represented by (from left) The National Shakespeare Company production of "Julius Caesar," Will Stutts as Mark Twain, and Mime Musica.

"Block booking" brings live performances to Campuses

Students, faculty members and staffers at 19 branch campuses are eagerly attending live performances by musicians, actors and dancers, thanks to a program of "block booking" instituted by the Office of Student Affairs and funded by the Office of the Provost.

Under the program, nine different performing groups offered 110 programs last year at the campuses, playing to a total audience of 11,450 persons. This year, 15 performing groups will present 156 programs.

An effort has been made to provide the widest possible range of experiences in the programs booked. Many McKeesport and Delaware County Campus students, for example, enjoyed their first exposure to melodrama—a production of *The Drunkard* by the Alpha Omega Players, a touring repertory theatre.

At Mont Alto, 250 persons crowded in auditorium with a seating capacity of 150 to watch a performance of the National Marionette Theatre. Shenango Valley students asked that the Oakland School of Theatre Dance be scheduled for a second performance, and it was standing room

only at Fayette Campus when the National Shakespeare Company presented *Hamlet* and *Much Ado About Nothing*.

Student Affairs representatives from all of the campuses meet to select the programs, usually with the help of a campus cultural affairs committee. No event can be scheduled unless a minimum of three campuses agree to host it. This "block booking" saved the University more than \$15,000 last year since many young performers will agree to reduce their fees if they can be guaranteed three or more performances.

Ortiz and Winterwood, classical folk singers, illustrate the process. They performed at the Allentown Campus Feb. 5, played Delaware County and Ogontz on Feb. 6 and 7, and moved to Schuylkill Feb. 8. The following week saw them appear at Capitol, Altoona, McKeesport, Beaver and New Kensington.

"The campuses make every effort to provide a variety of cultural experiences for their students," Dr. Kenneth Varcos, assistant vice president for student affairs, points out. "This year, for example, our musical offerings range from the Alard

String Quartet to Tim Eyermann, a jazz-rock fusion group. Ten different shows have been booked into the Altoona and Fayette Campuses during this school year, and nine into DuBois, Mont Alto, Schuylkill and York. Most of the other campuses will view a minimum of six to eight attractions."

Expenses are further reduced when campuses co-sponsor events with their communities. At Schuylkill, senior citizens attended the performance of *Black on Broadway*, a musical program featuring Broadway hits. Local school children watched the Mudhead Mimes perform at Worthington Scranton and the National Marionette Theatre at Capitol Campus and New Kensington. Many high school students had their first taste of a live Shakespearean production at McKeesport, while York Campus invited Penn State alumni living in York County to enjoy the performances at that campus.

Still another bonus of the program, Dr. Varcos points out, is direct student contact with the performers. Mime Musica artists, for example, shared acting tips during workshops at the Beaver, Berks, New

Kensington and York Campuses.

Penn State's College of Arts and Architecture is also developing new programs for the '80s to share with the branch campuses. Faculty members from the School of Music will tour both as soloists and in groups, giving students the chance to hear ensembles ranging from the Claremont Wind Ensemble to the Blue Band.

The Department of Theatre and Film is readying two productions to tour the campus circuit. The first is the comedy-drama, *Varities*, and the second, a musical review, *Starting Here, Starting Now*.

Larger campuses mount their own efforts. Capitol Campus has a lecture series as well as a resident dance company, Danceteller. Some campuses, such as Hazleton, provide further enrichment by purchasing tickets through their Student Affairs Office to such events as the local community concert series and making them available free to students. At Beaver, Student Affairs personnel will buy tickets to events in nearby Pittsburgh, if there is enough demand, and sell them to students at a discount.

Flight operators save aircraft

Quick action by two flight operators at University Park Airport during a recent emergency resulted in the saving of two lives and an aircraft.

Robert Kessling and Karl Heebner received a distress call from a private plane at approximately 6:15 p.m. A Michigan-bound pilot and passenger were lost and clouds had forced their craft to drop to the dangerously low altitude of 2100 feet, in terrain where some mountains reach 3000 feet.

"We called the Phillipsburg Flight Service (at Mid-State Airport) to find out where the plane was because they have all of the equipment to track a plane down," Mr. Kessling says.

Thomas Johnson, the air traffic controller on duty at Mid-State, received their call. Using Mid-State's direction finder, he located the plane's position near Tyrone, to Mid-State's southwest. Bald Eagle Mountain, however, barred communication between Mid-State and the low-flying aircraft.

Mr. Johnson and the University Park flight operators quickly improvised a solution: Mr. Johnson transmitted flight directions via phone to Messrs. Kessling and Heebner, who in turn relayed them to the pilot via the University Park Airport unicom radio. They also enabled Mr. Johnson to hear the pilot directly by holding the telephone receiver to the unicom.

Thus connected, Messrs. Johnson, Kessling and Heebner guided the plane northeasterly through the Bald Eagle Valley. When the plane was directly south

of Mid-State, they told the pilot to turn north and climb into the clouds. The pilot hurdled Bald Eagle Mountain and landed his craft safely at Mid-State.

Mr. Johnson says the rescue would not have been possible without the help of Messrs. Kessling and Heebner. "Without their timely action and professional conduct, this incident might have had a different outcome."

Richard Morgan, chief of the Phillipsburg Flight Service, also cited the University Park flight operators for their "outstanding response in a critical situation."

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 665-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., March 27, 1980. OO NOT COPY TO THE AREA THAT HAS THE VACANCY.

Applications for staff areas are considered, in accordance with Fair Employment practices (FE-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ADMINISTRATIVE AIDE-STUDENT AFFAIRS, University Park. Responsible to the Assistant Vice President for Student Affairs for Special Programs and Services for assisting with administrative matters in the Educational Opportunity Program, Developmental Year Program, Black Scholars Program, Regular Black Admissions Program, and at the Community Centers, and handling the various administrative problems which arise. Bachelor's degree or equivalent, plus over one, up to and including two years of effective administrative experience in a university setting.

SENIOR SYSTEMS ANALYST-MANAGEMENT ENGINEERING, University Park. Responsible to a senior staff member for the design and implementation of innovative systems. Interact with customers in defining problem areas and formulating logical statements and developing solutions. Conduct studies of major systems problems, developing decisions using systems analyses techniques. Act as project leader for directing analyses, programming, and implementation of data processing systems. Bachelor's degree or equivalent in industrial engineering or basic computer systems and systems planning, plus over four and up to and including seven years of effective experience in systems development and operations. Ability to communicate orally and in writing is required.

ASSOCIATE MANAGER-NITTANY LION INN, University Park. Responsible to the General Manager for the overall coordination and direction of the day to day operation of the Nittany Lion Inn and the supervision of the Inn employees. Required to instruct the overall character and total performance results of the Manager, Landscaping, Equipment, and Vehicle Maintenance for the supervision and coordination of the activities of assigned technical service landscape employees. Responsible for management of all trees, shrubs, and flower beds and related horticultural aspects of landscape maintenance. Establish and maintain all phases of planned landscape programs, including snow removal operations. Responsible for the overall character and total performance results of all areas under supervision. Requires an associate degree in horticulture or equivalent, plus two to four years of effective experience. Demonstrated competency in supervising landscape maintenance, ground/steep and horticultural operations is desired.

FOREMAN, GROUNDS MAINTENANCE AND CULTURE MAINTENANCE AND OPERATIONS, University Park. Responsible to the Manager, Landscaping, Equipment, and Vehicle Maintenance for the supervision and coordination of the activities of assigned technical service landscape employees. Responsible for management of all trees, shrubs, and flower beds and related horticultural aspects of landscape maintenance. Establish and maintain all phases of planned landscape programs, including snow removal operations. Responsible for the overall character and total performance results of all areas under supervision. Requires an associate degree in horticulture or equivalent, plus two to four years of effective experience. Demonstrated competency in supervising landscape maintenance, ground/steep and horticultural operations is desired.

There are positions in certain work units that, because of the large number of such positions, frequently are still available after employees in the work unit have been considered. They are listed below and will not be listed on an individual vacancy basis. Application for such positions may be made at any time, and you are welcome to make your interests known now to the Employment Division for future consideration when such vacancies occur. These positions are:

POSITION TITLE	LOCATION
Assistant Coordinators	Student Affairs
Assistant Food Supervisors	Housing and Food Service
Computer Operators	Intercollegiate Research
Programs	Program Management Services
Residence Hall Area Coordinators	Students Affairs
Cardiology Technicians	Hersey
Cyto-Technologists	Hersey
Clinical Laboratory Assistants	Hersey
Clinical Laboratory Technologists (HEW)	Hersey
Critical Care Monitoring Technicians (Jr. & Sr. Levels)	Hersey
Cyto-Technologists	Hersey
Licensed Practical Nurses	Hersey
Medical Technologists (CLA, MLT, CLT-HEW)	Hersey
Nuclear Medical Technicians	Hersey
Perfusionists	Hersey
Pharmacists	Hersey
Physical Therapists	Hersey
Physician's Assistants	Hersey
Psychiatric Assistants	Hersey
Radiology Technicians	Hersey
Research Technicians (Jr. & Sr. Levels)	Hersey
Respiratory Therapy Technicians	Hersey

Funding Sources

For further information, call 865-1372

(331-1) The Office of Technology Assessment (OTA) announces that Congressional Fellowships for 1980-81 are open to doctoral level men and women of all disciplines of science and technology, including, but not limited to physical and biological sciences, engineering, law, economics, environmental and social sciences, and public policy. Application deadline is May 1 for a June 30 announcement (six are chosen). The one-year fellowship period begins in September. (Ref. OTA announcement)

(331-2) The NSF/NEH Ethics and Values in Science and Technology program funds projects of an interdisciplinary nature to identify previously unrecognized issues related to past, present, or projected developments. Preliminary proposals are due May 1. Contact Dr. Arthur Narberg at NSF (202-282-7770). (Ref. OFP deadlines)

News in Brief

(Continued from page 1)

aliens in lieu of a passport for obtaining library privileges, dealing with local businesses, or in connection with athletic activities.

There is no charge for the card; however, aliens wishing to obtain a laminated card with a photograph may do so for a fee of \$1.

Swim Relay participants wanted

The annual Faculty-Staff-Grad Student Swim Relay will be held Saturday, March 29, at the Natatorium, beginning at 7 a.m. and ending about 9 p.m. Each of the 25 participants will swim one mile.

Any member of the faculty or staff or any graduate student may volunteer to participate, but the number is limited to 25. Contact Dave Gustine at 237-7683 or Sid Barnard at 865-5491 to enter your application.

Summer financial aid deadline extended

There is still time for supervisors to encourage students to file summer applications for financial aid. The eligibility deadline for part-time and full-time college work study programs and for the faculty aide program has been extended to Friday, March 21.

ARL employees show true Christmas spirit

Closing its books on 1979, the Committee for the Applied Research Laboratory Community Service Fund reports that ARL employees and their families contributed \$816 to the fund during the Christmas season.

The proceeds were distributed to Skills, Inc.; Meals on Wheels; Pennsylvania Association for Retarded Citizens; the Bellefonte and State College YMCAs; and Retirement Living of Centre County.

In addition, two \$100 awards were made to students at the Vo-Tech School, selected by the staff there on the basis of the students' progress in their fields. These awards, which were initiated in 1977, are now presented annually.

A tradition of Christmas giving to the community has been established at ARL since 1964, when employees decided to contribute to a charitable fund in lieu of sending Christmas cards.

Spring arts classes open

Registrations are now being accepted for the Saturday Morning Art School of the School of Visual Arts. Courses, open to children of all ages, will begin March 22. Advance registration can be made by calling Ruth Barner at 865-6570.

Small Business Center to aid Centre County firms

A Small Business Development Center (SBDC) is now in operation at the University, as a clearing house for information and assistance to small businesses in Centre County.

President Oswald explains that the SBDC is part of a statewide network sponsored jointly by the University and the U.S. Small Business Administration.

As part of the statewide network, the Penn State SBDC also will have operations at Penn State's Capitol Campus in Middletown, serving Dauphin County, and at the York Campus. Other SBDCs will be provided by the University of Pennsylvania's Wharton School, University of Pittsburgh, Lehigh and Bucknell Universities, Wilkes College, and the University of Scranton.

Dr. Oswald said the University has been placing more and more emphasis on the problems and needs of small business.

"This vital segment of the economy

deserves the attention it now is getting," he said. "The contributions of the small businessman, through his industry and innovation, make him an important national resource."

The Centre County SBDC is located in Room 501F, J. Orvis Keller Building.

Renting your house? This booklet may help

Faculty members about to go on leave may be interested in a booklet, on sale at Penn State's Bookstore, titled "How to Rent Your Own Home."

Written by two faculty wives from their own hard-earned experience, the booklet is an expanded version of material prepared for the Faculty Women's Club's Housing Referral Service, which authors Judy Aronson and Nancy Spear helped organize.

Included are sections on setting the rent, locating tenants, obtaining references and security deposits, leases, insurance, cleaning, taxes, etc. An appendix contains a master checklist and forms to help owners determine rentals and advertise their homes.

Copies of the booklet are also available at the Housing Referral office in Room 318 Willard Building. The office is open from 9:30 to 11:30 a.m. on Tuesdays and from noon until 2 p.m. on Thursdays. The phone number is 865-1538.

Family understanding furthered by program

The Individual and Family Consultation Center of the University is offering a free program designed to help individuals solve problems in their families or simply to enrich friendship and mutual appreciation among family members.

According to Anne Yenchko, program coordinator, the program teaches one or more members of a family what they can do to gain greater understanding of themselves and others in their family and how they can resolve conflicts — whether minor or very important, painful ones — in ways that don't further damage the relationship and, in fact, may make it stronger than ever. To accomplish this goal, single parents, couples, and families are taught a variety of skills.

The program takes a minimum of 15 hours to learn and, depending on the desires of the family, may extend for a longer period. Meeting times are arranged

to suit participants.

Anyone interested may phone Ms. Yenchko at 865-1751 from 8 a.m. to 5 p.m. weekdays.

Reading Room moved

The Architecture Reading Room has been moved from Sackett Building to Room 207 Engineering Unit C. To reach it, patrons should use the elevator in the new glass and brick connector between Units C and D (in line with the rear of University House and the walk-way through Hammond). Turn right off the elevator and go down the ramp to the library. The phone number will continue to be 863-0511.

AAUW requests donations for annual used book sale

The State College Branch of the American Association of University Women requests donations of all types of books for its annual used book sale to be held the week of April 21.

AAUW is also happy to receive LP records, art prints, sheet music, maps, dress patterns, children's magazines, literary and historical journals, and such specialized magazines as Antiques, Etude, Needlework, Arizona Highways, Popular Mechanics and Genealogy.

Donations may be left at the yellow collection bin on Aaron Drive at N. Atherton Street, at the box just inside the door of Thrift Drug on Western Parkway, and at Schlow Memorial Library. For pick-up of large donations, call 237-8068.

Proceeds from the sale, which is held at the Wesley Foundation, go to help local and national educational programs and fellowships.

Volunteers sought for blood pressure research

Volunteers are needed for a research project on high blood pressure. Subjects desired are males 18 to 40 years old, with blood pressure greater than 140/90. Volunteers will receive free physicals, exercise stress tests, and blood cholesterol testing.

Interested persons should call Jim Knight, a graduate assistant in the Noll Human Performance Laboratory, at 863-0525 weekdays from 9 a.m. to noon.

Palladino

(Continued from page 1)

will be named a University professor of nuclear engineering. Provost Eddy will appoint a search committee for the new dean within the next month.

A native of Allentown, Dean Palladino received his B.S. and M.S. degrees in mechanical engineering from Lehigh University in 1938 and 1939. He did graduate work in nuclear engineering at the University of Tennessee and in business and management at the University of Pittsburgh, and received an honorary Doctor of Engineering degree from Lehigh University in 1964.

Before coming to Penn State in 1959 as professor and head of the Department of Nuclear Engineering, he worked for the Westinghouse Electric Corporation for 20 years, including four years on loan to the Oak Ridge and Argonne National Laboratories.

From 1950 to 1959, while at Westinghouse, he was in charge of reactor core design for the Submarine Prototype Reactor, Mark I; for the Nautilus Reactor; and for the Shippingport Atomic Power Station.

In 1958 he was awarded the Westinghouse Order of Merit for Technical Direction of Reactor Designs of the Nautilus and Shippingport power plants. In 1956 he received the Prime Movers Award of the American Society of

Mechanical Engineers for his work on the Shippingport plant.

As the first head of Nuclear Engineering at Penn State, Dean Palladino was responsible for development and implementation of course work and graduate programs, and for research in nuclear engineering. He was appointed dean of the College in 1966.

Dean Palladino is a licensed professional engineer in Pennsylvania. He also is a member of the National Academy of Engineering, a member of the American Society for Engineering Education, and a fellow of both the American Society of Mechanical Engineers and of the American Nuclear Society. In 1970-71, he served as president of the American Nuclear Society.

He also served the state and the nation on a number of important committees. He is a past member of the Governor's Energy Council and the Governor's Science Advisory Committee, for which he also chaired the Energy Management Subcommittee.

In addition, he served previously as a member and chairman of both the Pennsylvania Advisory Committee on Atomic Energy Development and Radiation Control and the U.S. Advisory Committee on Reactor Safeguards, which reviews all nuclear plants proposed for construction and operation in the United States.

Dean Palladino has written numerous papers on engineering education, nuclear reactors and atomic energy.

Elsewhere in Academe

The ratio of students to faculty members will increase from 10 to 12 by 1985 at Wesleyan University, the result of a new five-year financial framework adopted by the institution's trustees. The size of the study body will rise from 2,450 to 2,600 and the number of the faculty members drop by attrition from 260 to 235.

Roughly \$30 billion would be needed just to allow U.S. colleges and universities to catch up with years of neglected maintenance in campus buildings, according to recent estimates by the National Association of College and University Business Officers. In Georgia, for example, the state university system reports that it needs \$12 million annually to get the buildings on its 32 campuses back in shape. Last year, however, it was able to allot only \$2.25 million for maintenance purposes.

Efficient

(Continued from page 1)

schools expanded their faculties last year, according to the Commission.

— Fall Term student credit hour production per full-time resident instruction faculty member at Penn State decreased seven-tenths of one percent between 1977 and 1978. However, the credit hour production of full-time faculty members at Penn State was 38 percent greater than at Temple, the next highest state-related university in this category. Those same full-time faculty members at Penn State reported an average of 11.8 class contact hours in 1978, as compared to 10.5 at Pitt and 10.9 at Temple. The report notes the difficulties in making comparisons since Pitt defined full-time faculty as those employed full-time at the university regardless of function.

Penn State, as noted earlier, included only those individuals paid solely from resident instruction funds.

— Penn State reported average class sizes in lower division courses of 29.9, compared to 30.4 at Pitt and 24 at Temple. In upper division courses, the figures were 27.8 for Penn State; 22.3 for Pitt; 19.7 for Temple.

— At Penn State, the number of undergraduate courses taught increased by 24 (1.4 percent) during the last two academic years. At the same time, the number of undergraduate student credit hours produced decreased by 1.1 percent, an anomaly that may be explained by the creation of new courses at Behrend College and Capitol Campus. At the master's degree level, the number of courses decreased by seven (2.1 percent) while student credit hour production was increasing by 425 or 1 percent. The Commission criticized Temple for reporting a drop of 35,600 undergraduate student credit hours and an increase of 33 courses.

— Penn State reported fewer faculty members at the rank of professor (20 percent) and associate professor (25 percent) than any other public college or university in Pennsylvania. At Pitt, 23 percent of the faculty hold professorial rank; 34 percent are associate professors. At Temple, the figures are 26 and 30 percent, respectively. At the state-owned institutions, 33 percent of the faculty members hold the rank of professor; 38.7, the rank of associate professor. The Commission suggests a possible limit of 60 percent for those in the combined professor and associate professor ranks.

University Park Calendar

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

March 20-30

Special Events

Thursday, March 20

Phi Delta Kappa Initiation, 5 p.m., Room 112 Kern. Banquet, 6 p.m., Nittany Lion Inn. Penn State Annual Invitational Film Festival, 7 p.m., Rooms 102 and 112 Kern, through March 22.

Penn State Karate Club demonstration, 7:30 p.m., Room 104 White Bldg.

*IAHS/School of Journalism, History of Photography Lecture, 8 p.m., Room 101 Kern. Zoe Smith-Nesterenko, Univ. of Tulsa, on "The Style of Life: The Influence of European Photographers and Picture Editors on Life Magazine."

Jazz Festival, Tarnished Six, 8 p.m., HUB Ballroom.

Friday, March 21

Board of Trustees meeting, Capitol Campus. Deadline to sign up for Spring Term Group Health Insurance for graduate students, Room 305 Kern.

Sports: "gymnastics (women), EAIAW Championships, noon-5 p.m. and 7-10 p.m., Rec. Hall. Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. E. Willard Miller, assoc. dean, E & MS, speaker.

Commonplace Theatre, *The Harder They Come*, 7 and 9 p.m., Room 112 Kern. Interlandia, folkdancing, 7:30 p.m., HUB Ballroom.

Jazz Festival, Bravura and Sonny Fortune, 8 p.m., Eisenhower Auditorium.

Saturday, March 22

Board of Trustees meeting, Capitol Campus. France-Cinema, *Autumn Sonata*, 7 and 9 p.m., Room 112 Kern.

Sports: volleyball (men) vs. Ohio State, 7 p.m.; gymnastics (women), EAIAW Championships, 7:30 p.m., Rec. Hall. Alliance Francaise Scholarship Benefit Concert, 8:30 p.m., Music Bldg. Recital Hall. Phyllis Trio and others, French Chamber Music. Evening with the Arts, Will Stuts, one man show depicting Mark Twain and Edgar Allen Poe, 8:30 p.m., Schwab.

Sunday, March 23

Pan-Hel, Women's Awareness Week, through March 29. University Chapel Service, 11 a.m., Eisenhower Chapel. Dr. James Martin, psychology, PSU, speaker.

Unity Christian Campus Ministries Service, 11:15 a.m., Frizzell Room, Eisenhower Chapel.

*HPER, National Physical Education and Sport Month, Aquatics Program, demonstrations of diving, synchronized swimming, survival swimming and whitewater canoeing, 2-4 p.m., Natatorium.

Zoe Pappas, 'cello, 3:30 p.m., Music Bldg. Recital Hall.

Commonplace Theatre, *The Harder They Come*, 7 and 9 p.m., Room 112 Kern.

Monday, March 24

Music 299A, Samuel Bayard, English emritus, will discuss Pennsylvania Folk Music, performance by Rustical Quality String Band, 3 p.m., Music Bldg. Recital Hall.

Sports: fencing (women) vs. Barnard College of Columbia Univ., 3 p.m.

Shakespeare film, *Romeo and Juliet* (BBC), 6:30 p.m., Room 101 Chambers.

France-Cinema, *Autumn Sonata*, 7 and 9 p.m., Room 112 Kern.

Spanish Dept. Lecture, 8 p.m., Room 101 Kern. Joe Martin Recurda, Spanish playwright, on "Creacion, arranque y evolucion de un autor dramatico durante la Espana de Franco y la transicion a la democracia."

Barbara O'Connor, French horn, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, March 25

Gallery Talk, 10:30 a.m., Museum of Art. Clare LeCorbeller, assoc. curator of European sculpture and decorative arts, Metropolitan Museum of Art, discusses Chinese export porcelain.

STS/Three Cultures Dialogue on "Science/Technology for War or Peace," luncheon, noon; presentation, 12:20 p.m., Room 101 Kern. Donald P. Verene, philosophy, on "Technology Increase: Etlud Revisited."

Comp. Lit. Luncheon, 12:15; talk, 1 p.m., Hotel State College. Betsy Bowden, English, on "Ambiguity on the Page, Flexibility in Performance: A New Look at Chaucer."

*Pittsburgh Symphony Orchestra Residency, Chamber Orchestra, Donald Johanos, conductor, with student soloists, 3:30 p.m.; Opera Orchestra, Michael Tilson Thomas, conductor, one-to-one rehearsal with students of Penn State Symphony Orchestra, 7:30 p.m., both in Eisenhower Auditorium.

Shakespeare film, *Romeo and Juliet* (BBC), 6:30 p.m., Room 112 Chambers.

Comp. Lit. Film Series, Antonioni, *The Passenger*, 7 and 9 p.m., Room 112 Kern.

Wednesday, March 26

*Pittsburgh Symphony Orchestra Residency, coaching sessions conducted by Randolph Kelly, Eugene Phillips and Phyllis Jo Kubej, Pittsburgh Symphony Orchestra, 9:30 a.m.-noon, Music Bldg. Recital Hall; Opera Orchestra, Donald Johanos, conductor, with student soloists, 1 p.m., Eisenhower Auditorium; lecture, Michael Tilson Thomas, conductor of Pittsburgh Symphony Orchestra, on "Russian Virtuoso Composers," 4 p.m., Music Bldg. Recital Hall; Chamber Orchestra, Donald Johanos, conductor, one-to-one rehearsal with students from PSU Chamber Orchestra, 7 p.m., Eisenhower Auditorium.

Graduate School Lecture, 8 p.m., Keller Auditorium. Herbert Smith, Nobel Laureate, Carnegie Mellon Univ., on "Computer Simulation of Human Thinking."

*IAHS/School of Journalism, History of Photography Lecture, 8 p.m., Room 101 Kern. Larry Schaaf, Univ. of Texas/Austin, on "Charles Piazzi Smyth: Photographer and Iconoclast."

Shakespeare film, *Henry IV Part I* (BBC), 8 p.m., Room 304 Boucke.

Thursday, March 27

Pass/Fail.

*IAHS/Pittsburgh Symphony Orchestra Residency, Leonard Sharrow, Pittsburgh Symphony Orchestra, coaching session with the Claremont Quintet, 3:30 p.m., Music Bldg. Recital Hall.

URTC, Jose Martin Recurda, English version by Robert Lima, Spanish, *The Innates of the Convent of Saint Mary Egyptian*, 8 p.m., The Pavilion Theatre.

Friday, March 28

Pass/Fail.

*Pittsburgh Symphony Orchestra Residency, Kathy Butera, asst. manager, Pittsburgh Symphony Orchestra, coaching session with the young people's concert, 2 p.m., Music Bldg. Recital Hall; Victoria Bond, Pittsburgh Symphony, conducting workshop, 4 p.m., Room 130 Music Bldg.

*College of Science, Ernest C. Pollard Lecture, 3:45 p.m., Room 112 Kern. Philip C. Hanawalt, biology, Stanford Univ., on "Cellular Responses to Damaged DNA in Bacteria and Mammals."

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Robert Blanchard, director, School of Journalism, on "Congress and the News Media."

Karate Club film, *Seven Samurai*, 7 and 10 p.m., Room 102 Forum.

URTC, *The Innates of the Convent of Saint Mary Egyptian*, 8 p.m., The Pavilion Theatre.

Artists Series, Pittsburgh Symphony Orchestra, Michael Tilson Thomas, conductor, 8:30 p.m., Eisenhower Auditorium.

Saturday, March 29

Annual Faculty/Staff Grad. Student Swim Relay, 7 a.m.-9 p.m., Natatorium.

Artists Series, Pittsburgh Symphony Youth Concert, 10:30 a.m., Eisenhower Auditorium; Pittsburgh Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sports: softball, preseason tournament, 11:30 a.m., lacrosse (men) vs. Syracuse, 2 p.m.; volleyball (men) vs. Rutgers/Newark, 7 p.m.

France-Cinema, *Peppermint Soda*, 7 and 9 p.m., Room 112 Kern.

Karate Club film, *Seven Samurai*, 7 and 10 p.m., Room 102 Forum.

URTC, *The Innates of the Convent of Saint Mary Egyptian*, 8 p.m., The Pavilion Theatre.

Artists Series, Pittsburgh Symphony Orchestra, Michael Tilson Thomas, conductor, 8:30 p.m., Eisenhower Auditorium.

Sports: softball, preseason tournament, 11:30 a.m., lacrosse (men) vs. Syracuse, 2 p.m.; volleyball (men) vs. Rutgers/Newark, 7 p.m.

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Sports: softball, preseason tournament, 11:30 a.m., lacrosse (men) vs. Syracuse, 2 p.m.; volleyball (men) vs. Rutgers/Newark, 7 p.m.

France-Cinema, *Peppermint Soda*, 7 and 9 p.m., Room 112 Kern.

Karate Club film, *Seven Samurai*, 7 and 10 p.m., Room 102 Forum.

HUB Mini-Concert, Abilene, country rock, 9 p.m., HUB Ballroom.



Michael Tilson Thomas will conduct the Pittsburgh Symphony Orchestra March 28-29.

SEMINARS

Thursday, March 20

Acoustics, Jeremy L. Walter, mechanical engineering, on "The Coincidence of Higher Modes in Cylindrical Shell Vibrations," 4 p.m., Room 75 Willard (new listing).

Statistics, Morris Degroot, Carnegie-Mellon Univ., on "Optimal Matching: How to Repair a Broken Sandal," 4 p.m., Room 160 Willard (new listing).

CPSP, Murray Levine, SUNY/Buffalo, on "The Adversary Model and Other Quantitative Approaches to Evaluation in Mental Health and Other Social Programs," 8 p.m., Room S-209 Henderson.

Friday, March 21

Surface Science, W.F. Saam, physics, Ohio State Univ., on "Theory of Multilayer Helium Films," 11 a.m., Room 339 Davey.

Analytical Chemistry, Abrahm Babin, graduate student, on "Hydrolysis Studies of Mo(V) Species," 11:10 a.m., Room 333 Whitmore.

Electrical Engineering, Mordehai Heiblum, IBM, on "Edge-Mom: An Integrated Optical Device. Will It Make an Optical Transistor Possible?" 3:30 p.m., Room 329 EE East.

Aerospace Engineering, Robert Lasgauer, Office of National Etudes et de Recherches Aérospatiales (ONERA), France, on "Recent Research Work on Unsteady Flow in Turbomachines at ONERA," 4 p.m., Room 214 Hammond.

Monday, March 24

Psychology/Organizational Behavior, Karl Weick, Cornell Univ., on "Concept of Loosely Controlled Systems," 3 p.m., Room 101 Kern.

Tuesday, March 25

Plant Pathology, Larry D. Lathrop, graduate student, on "Importance of Allelopathic Effects on Seed Germination," 9:45 a.m., Room 213 Buckhout.

Organic/Inorganic Chemistry, Edward Bruce, graduate student, on "Use of Enzymes in Organic Synthesis," 12:45 p.m., Room 333 Whitmore.

Biology, Bruce C. Parker, Virginia Polytechnic Inst. and State Univ., on "The Biology of Antarctic Dry Valley Ecosystems," 4 p.m., Room 8 Mueller.

Thursday, March 27

Chemistry, Stanley R. Crouch, Michigan State Univ., on "Analytical Applications of Fast Kinetics," 12:45 p.m., Room 333 Whitmore.

Meteorology, Ray Deland, New York Univ., on "Numerical Modeling of the Dispersion of Atmospheric Pollutants," 3:55 p.m., Room 112 Walker.

Acoustics, George Alexandrovich, Stanton Magnetics, Inc., on "Problems of a Phonograph Cartridge Manufacturer in Reproducing Modern Analog Recordings," 4 p.m., Room 75 Willard.

Mathematics, Dragan Marusic, Univ. of Vexing, England, on "Some Remarks on Vertically-Symmetric Graphs and Related Families of Graphs," 4 p.m., Room 103 McAllister.

Institute of Electrical and Electron Engineers, I.S. Nisbet, electrical engineering, on "Three Faces of the U.S.S.R.," 7:30 p.m., Room 329 EE East.

EXHIBITS

Chambers Gallery: Eleanor Drake-Lewis, experimental weavings; bronze cast sculpture by Fine Arts Students.

HUB Galleries: "College of Arts and Architecture Exhibit," "Original Drawings by Aldo Rossi, noted Italian Architect," through March 22; master works from the National Glass Conference, opens March 23. The Gallery: Bruce Johnson, watercolors and prints; Browning Gallery: Art Alliance of Central Pa. Members' exhibit, through March 29, Art Alley.

Kern Gallery: Beth J. Fogel, mapscares, through March 21; Fredrick J. Tarr, drawings; Nicholas Webb, ceramics, through March 28; Chen Chih Ming, ink drawings, opens March 22.

Museum of Art: Pennsylvania prints from the collection of John C. O'Connor and Ralph M. Yeager; aspects of representation after World War II - works from the permanent collection; Chinese export porcelains from the collection of Dr. and Mrs. Harold L. Tonkin.

Patte Library: Janice Becker, drawings, through March 27; Rome Hanks and Mary Edith Miller, photographs, opens March 28. East Corridor Gallery: Maura Fadden, paintings and drawings, through March 27; Ann Mancini, photographs, opens March 28; Lending Services Lobby: "History of Photography Week Exhibit, 19th century books and other memorabilia, through March 25, Rare Books Room.

Robeson Cultural Center: Francis Couch, paintings, prints and drawings.

Visual Arts Bldg. Zoller Gallery: National Glass Conference Exhibit, opens March 23.

* Asterisk indicates event tied in with Penn State's 125th anniversary year.

Penn State Intercom



Virginia Sibbison

First Alumni Fellow will visit April 1-4

Virginia Hayes Sibbison will be the first of seven Alumni Fellows to visit Penn State this Spring.

Dr. Sibbison, whose visit to the College of Human Development is scheduled April 1-4, is executive director of Welfare Research, Inc., a non-profit corporation that provides consultant and contractual services to public and private agencies in the human services field.

The Alumni Fellows Program, which began in 1973, is designed to promote closer ties between prominent alumni and the University community. The Fellows add an extra dimension to the academic curriculum by sharing their experiences in their respective professions with undergraduate and graduate students and with faculty members and administrators.

Among the other Fellows who will visit University Park this spring are Charles Bierbauer '66, an international correspondent with ABC News and a guest of the College of the Liberal Arts, April 7-10.

Robert Moore '48, president of the Financial Executive Institute of New York, sponsored by the College of Business Administration, April 22-24.

Carroll V. Hess '47, dean of the College of Agriculture at Kansas State University, guest of Penn State's College of Agriculture, April 29-May 2.

James L. Everett, III, '48, G '49, president and chief executive officer, Philadelphia Electric Company, sponsored by the College of Engineering, April 30-May 2.

Allen S. Russell, B.A. '36, M.A. '37, Ph.D. '41, vice president for science and technology at ALCOA, visiting the College of Science, April 29-May 2.

The College of Medicine will also sponsor a Fellow. He is J. Lloyd Huck '43, president and chief operating officer of Merck and Co., Inc., who will visit Hershey April 27-29.

Dr. Sibbison holds three Penn State degrees. She earned her B.A. in psychology in 1970, and her M.S. and Ph.D. in human development in 1972 and 1974, respectively.

In addition, she served as an instructor in the Division of Community Development in 1972, as a project director at the Institute for the Study of Human Development from 1972-75, and as an assistant professor in Community Development during 1974-75.

During her tenure as director, Welfare Research, Inc., has conducted more than 50 research projects, has expanded its funding base to some \$2 million annually, and has published more than 60 reports.

A Letter to the University Community

One of the salient messages of Penn State's *Perspective* on the '80s is the need for "courageous leadership . . . by the best available persons" to guide this University during the new decade.

At the present time, Penn State has several crucial leadership positions to be filled. One search committee is sifting nominations and applications for the post of Vice President and Dean of the University-wide System of Continuing Education and Commonwealth Campuses — surely one of the most important academic and administrative positions in the entire University.

A second search committee is considering candidates for the directorship of our Beaver Campus, and a third will begin work soon to determine candidates for the newly created position of Dean of the Behrend College. Soon another search will begin for a Dean of the College of Engineering as a result of Dean Palladino's decision to step down from active administration two years before mandatory retirement.

To speak frankly, however, we have been disappointed by the lack of significant response for the positions now available. I am convinced that there is a great reservoir of talent within and

without this University that could be tapped if members of the faculty and staff would only take some time to think about which of their colleagues — both within and without the institution — could live up to the leadership expectations expressed in the *Perspective* — administrators who will not be afraid of the "difficult choices" necessary "to create a climate that fosters excellence in program quality."

I would like to encourage faculty and staff members to give us the benefit of their knowledge. Some of you may have hesitated to get involved, perhaps because you believe appointments are decided in advance or that the administration is not really interested in your views.

Let me assure you that we are looking just as diligently as we can for the best possible leadership for our University in the '80s and that your suggestions and advice will receive every consideration. Please take a few moments of your time to send to me or to the Provost or to the appropriate committee chairman your suggestions.

Sincerely,

John W. Oswald

Behrend Dean Search Committee appointed

Ten persons have been invited by Provost Eddy to serve on a Search Committee for the position of Dean of Behrend College.

The Committee, which will be chaired by Dr. Roger L. Sweeting, associate professor of physical education at Behrend, invites nominations and applications for the position.

The Dean of the College will serve as the principal academic and administrative officer responsible for the general management of budgets, facilities, programs, planning, and personnel. The Dean shall report to the Provost and will be a member of the Council of Academic Deans.

In light of the changing circumstances of the 1980s, candidates should be resourceful, realistic, and adaptable. They must also meet all of the following criteria:

- Prior experience as a faculty member and as an academic officer responsible for personnel, programs, and finances at either the departmental or college level.
- Terminal degree in discipline or professional field.

— Demonstrated commitment to multidisciplinary undergraduate education and lifelong learning.

— Demonstrated ability to organize tasks, supervise people, manage funds, map plans, cultivate innovation, and engage in fund raising.

Evidence of scholarly research and professional activity.

Candidates should be available by mid-summer 1980 for assignment in Erie. Nominations and letters of application (with resume) should be sent by April 28 to: Search Committee, Dean of Behrend College, Office of the Provost, Room 205 Old Main, University Park.

The members of the Search Committee are: Dr. Richard P. Chait, assistant provost; Dr. Mary G. Chisholm, assistant professor of chemistry; Behrend; Dr. Robert E. Dunham, vice president for undergraduate studies; Dr. Daniel A. Frankforter, associate professor of history; Behrend; Charles C. Kolb, instructor in anthropology, Behrend; Michael D. McCloskey, student at Behrend; Dr. George J. McMurry, professor of electrical engineering; Dr. Robert D. Pashek, associate dean, Business Administration; and Dr. Christine F. Pootjes, associate professor of microbiology.

Senate to vote on Scholars, zero credit courses

Legislative proposals on zero credit courses and the University Scholars Program, an oral report on a freshman year conference, and a forensic session on new Department of Energy regulations regarding Soviet bloc visitors highlight the agenda for the April 1 University Faculty Senate meeting.

The meeting will be held at 2:10 p.m. in Room 112 Kern Building. A detailed schedule for the May 6 meeting, to be held at the Altoona Campus, will be presented.

Although no zero credit courses have been approved since 1971, nine that were approved prior to that date are still offered or required.

They include two engineering lecture courses (Engr 10 and 11); Introduction to Engineering (Engr 801 and EE 301); two Air ROTC field training courses and Army ROTC summer camp (ROTC 250, 350 and 304); French House Residence (Fr 101); and in-service Food Service and Housing Administration training (FSHA 50).

Believing that students should not be required to take or attend courses for which they receive no credit, the Committee on Curricular Affairs is recommending that "administrators of the programs offering zero credit courses be consulted regarding either dropping . . . or offering them for appropriate credit." The Committee suggests that these decisions be reached in time to apply to the May 1981 Blue Sheet.

The Senate, having heard an oral informational report last month on the University Scholars Program, will be asked by its Committee on Curricular Affairs and Undergraduate Instruction to pass enabling legislation for the program.

This will require changes in Policy 65-00 (Departmental Honors Programs) of *Academic Policies and Procedures for Undergraduate Students*. Proposed changes include setting general guidelines for admission to and retention and participation in the program.

Honors advisors would be assigned to help students develop appropriate programs of study and to ensure that BDR and major requirements are satisfied even if certain graduation requirements are waived. Students will be asked to complete and defend an honors thesis or to pass a comprehensive examination.

Honors course designations would be applied to specially designated sections of

(Continued on page 6)

News in Brief

President at Hershey

President Oswald is in The Milton S. Hershey Medical Center for treatment of a cracked rib.

Dr. Oswald, who was in Middletown for a meeting of the Board of Trustees, suffered chest pains early last Saturday morning and was admitted to the Hospital's critical care unit. Later he was transferred to a regular room.

The injury was associated with an exercise program begun by the President recently. He is expected to be released from the Hospital by the end of this week.



Ambassador Young

Andrew Young to speak in Rec Hall April 2

Andrew Young, former U.S. Ambassador to the United Nations, will present a free, public talk at 8 p.m. Wednesday, April 2 in Rec Hall. His speech, on foreign affairs, is sponsored by Colloquy.

Ambassador Young resigned his post at the U.N. last August after disclosures that he had met secretly with representatives of the Palestine Liberation Organization.

During the 1960s, he was a close associate of Dr. Martin Luther King Jr., serving as an executive in the Southern Christian Leadership Conference. In 1972, Mr. Young was elected to Congress from

(Continued on page 5)

Penn Staters

Robert LaPorte, professor of public administration, returned last week from Bangladesh and Sri Lanka, where he presented a series of lectures for the U.S. International Communications Agency. Dr. LaPorte's topics were public administration and economic development administration.

Charles Mann, chief of Rare Books and Special Collections and professor of English, gave a lecture on the Great Exhibition of 1851 at the Walters Art Gallery, Baltimore, on March 10.

Two faculty members have been awarded National Endowment for the Humanities Summer Stipends. **Dr. Wendy J. Sarvasy**, assistant professor of political science, will use her grant to study John Stuart Mill's theory of democracy. **Dr. Priscilla Clement**, assistant professor of history at Delaware County, will study methods of caring for indigent children in the 19th century in New York, New Jersey and, possibly, the Midwest. She will analyze case records from such agencies as orphanages, reform schools, and foster care programs.

Dr. Charles D. Ameringer, professor of Latin American history, has been elected president of the Middle Atlantic Council of Latin American Studies (MACLAS) for 1980-81. MACLAS is an interdisciplinary association comprised of professionals, scholars, teachers, and students in the Latin American field from the states of New Jersey, Pennsylvania, Delaware, Maryland, Virginia, and West Virginia.

Dr. Michael E. Scofield, assistant professor of education, has been honored by the American Rehabilitation Counseling Association with an award for his research on "An Empirically Derived Taxonomy of the Affective Domain in Rehabilitation Counseling." This was one of two projects selected as 1980 ARCA Research Award winners. He received the award in March at a meeting of the American Personnel and Guidance Association in Atlanta.

Dr. Marshall H. Kaplan, professor of aerospace engineering, organized and taught a five-day course on Spacecraft Systems Engineering at the European Space Research and Technology Center in The Netherlands during the week of Feb. 25.

J. Thomas Eakin, director of the Office of Religious Affairs, has been elected president of the Association for Coordination of University Religious Affairs.

A one-man exhibition of 25 prints and small paintings by Peter Jogo, assistant professor of art, was recently on display at the Andrews Gallery of William and Mary College, where Professor Jogo presented a lecture-demonstration on the color intaglio process and discussed his work. He also gave a lecture-demonstration last month at SUNY-Potsdam.

Dr. Patrick D. Lynch, professor of education, was recently elected vice president for educational administration of the American Educational Research Association. He will serve for one year, beginning in April.

Floyd B. Fischer, vice president emeritus for Continuing Education, has been appointed by President Oswald as the first life member of the Advisory Council for the Pennsylvania Technical Assistance Program (PENNTAP).

Retirements

Daniel T. Bresnahan, a general maintenance worker at Shenango Valley, will retire March 29. He has been a member of the staff since Jan. 5, 1970.

Grace K. Austin, a clerk in the bookstore at the Berks Campus, will retire April 1. She has been at Berks since Feb. 29, 1968.

Four College of Engineering faculty members have been honored for their achievements. **Dr. J. Larry Duda**, professor of chemical engineering, received the College's annual award for outstanding achievement in research. Excellence in Teaching Awards were presented to **Edwin J. Parrish**, assistant professor of general engineering; **Dr. Carl H. Wolgemuth**, assistant professor of industrial engineering; and **Dr. Carl H. Wolgemuth**, professor of mechanical engineering.

The awards consist of a certificate and a check for \$500.

A faculty member since 1971, **Dr. Duda** is best known for his work on molecular diffusion in polymer solutions, in collaboration with J.S. Ventras. Support for this research has been provided by the National Science Foundation, the U.S. Bureau of Mines and the Department of Energy.

Dr. Duda is the author or co-author of more than 60 articles. He received his B.Sc. from Case Institute of Technology in 1958, and his M.S. and Ph.D. from the University of Delaware, in 1961 and 1963 respectively.

Professor Parrish was honored as an outstanding faculty member teaching primarily in the first two years of the baccalaureate program. **Professor Knott** as the faculty member at the assistant professor level, and **Dr. Wolgemuth** as the senior faculty member who has been at

Penn State five years or more.

Chosen by a committee appointed by Dean N.J. Palladino, the three winners received the highest ratings on an effectiveness teaching survey conducted by the Dean's Office. They also were recommended by colleagues and students.

Professor Parrish joined the Altoona faculty as an instructor in 1960 and became an assistant professor in 1969. He teaches undergraduate courses in engineering drawing, industrial engineering and physics.

A mechanical engineering graduate of Penn State, he has attended graduate school at the University of Pittsburgh and at Case Western University.

Professor Knott taught part-time as an instructor in industrial engineering, beginning in 1963. He became a full-time faculty member in 1978. Previously, he lectured at England's Dudley Technical College, from which he was graduated. He earned his M.S. at Penn State in 1966 and is currently a doctoral candidate at the University of Loughborough in England.

Dr. Wolgemuth, a member of the faculty since 1963, teaches undergraduate and graduate courses, specializing in the study of power plants, engineering analysis of thermal systems, and thermodynamic processes.

He received his B.S. from Penn State and his M.S. and Ph.D. from Ohio State.



Dr. Arnold

Nine distinguished scholars have produced a volume of studies in rhetorical communication which is dedicated to **Carroll C. Arnold**, professor emeritus of speech communication at the University. Entitled *Rhetoric in Transition: Studies in the Nature and Uses of Rhetoric*, the book was edited by **Eugene E. White**, professor of speech communication, and includes a preface by **Stanley F. Paulson**, dean of the College of the Liberal Arts. It was published by the Penn State Press.

Two Penn State faculty members, **Lawrence W. Rosenfield**, professor of speech communication, and **Henry W. Johnstone, Jr.**, professor of philosophy, are among the contributors.

Dr. Arnold, who retired in 1977, is widely known for his interest in history of theories of communication and for his attempts to bridge the gap between the purely theoretical and the use of rhetoric as a practical tool.

"Our volume is not only dedicated to Professor Arnold but it also draws its creative impulse from his attempt to conjoin the nature and uses of rhetoric," **Dr. White** notes in his introduction. The volume is divided into two sections, the first devoted to the nature of rhetoric and the second, to application to rhetorical theory.

A continuing theme in the book is that concepts of rhetoric that once were widely accepted have been undermined since World War II, and there no longer is a consensus as to the meaning, substance and scope of rhetoric. By examining ways of conceptualizing and exploring rhetorical experience, the book contributes to a better understanding of the nature and uses of rhetorical communication.

Dr. Arnold has received a number of awards and honors for his work, among them the Speech Communication Association's highest award for distinguished service. His department at Penn State established a lectureship in his name following his retirement, and the Speech Communication Association of Pennsylvania instituted its own **Carroll Arnold Award**. The Alumni Society of the College of the Liberal Arts presented its distinguished teaching award to him in 1976.

Dr. Arnold came to Penn State in 1963 from Cornell University, where he was chairman of the Department of Speech and Drama.

In addition to **Drs. White, Rosenfield** and **Johnstone**, other contributors to the book are: **Lloyd F. Bitzer** and **Edwin Black**, of the University of Wisconsin-Madison; **Robert L. Scott**, University of Minnesota; **Douglas Ehninger**, University of Iowa; **James R. Andrews**, Indiana University; and **Herbert W. Simons**, Temple University. The book closes with an essay by **Dr. Arnold**, originally published in 1968.

All royalties from the book have been assigned by the contributors to the University's Department of Speech Communication to support the annual **Carroll Arnold** lectures.

Obituaries

Paul S. Crossman, a country agriculture Extension representative from 1916 to 1951, died March 6. He was 90 years old.

William O. Houtz, a guard at the Applied Research Laboratory from 1953 to 1966, died March 13 at the age of 75.

Harvey S. Lynn, a carpenter with the Office of Physical Plant from 1929 to 1959, died March 13 at the age of 88.

George D. Wesner, a utilities analyst with the Office of Physical Plant, died March 13. He was 54 years of age. Mr. Wesner joined the staff in 1971 as a mason, a position he held until 1978.

Human Development seeks closer ties

The University's College of Human Development has launched a Spring campaign to establish closer ties with its faculty members, administrators and constituents at the 17 Commonwealth Campuses, the Behrend College, the Milton S. Eisenhower Medical Center and the Radnor Graduate Center.

Representatives from the Office of the Associate Dean for Continuing Education and Commonwealth Campuses are holding five regional meetings to lay the foundation for working more effectively in the delivery of the College's programs of instruction, research and service at the various campuses.

According to **Dr. Edward V. Ellis**, associate dean for Continuing Education and Commonwealth Campuses, the objectives of the meetings are:

- to bring together the groups of campus administrators, the College's part- and full-time Resident Instruction and Continuing Education faculty members, campus academic advisers, College alumni and selected College and University representatives from University Park so that they can become better acquainted and more aware of their relationships;
- to update these groups on the current status of the College, its organization, programs and directions for the future;
- to elicit the views, advice, concerns and proposals of these groups in regard to the College and its programs;
- to provide instructors with course information and assistance, to satisfy requirements for continuing approval of part-time instructors and to recruit candidates for part-time faculty from the College alumni who attend the meetings.

The first meeting was held March 25 at the DuBois Campus, with component groups from the Behrend College, the Altoona Campus and University Park. Subsequent meetings will be held at the Oquon Campus on April 3 (with Allentown, Berks, Delaware County and Radnor); at the New Kensington Campus on May 1 (Beaver, Fayette, McKeesport and Shenango Valley); at the Hazleton Campus on May 6 (Schuylkill, Wilkes-Barre, the Williamsport Continuing Education office and Worthington Scranton).

"The campaign is an outgrowth of the recent 'Human Development - Action '79' program held at University Park for all of our faculty members, alumni, Continuing Education administrators and others," **Dr. Ellis** notes. "We at University Park realized that there should be follow-up meetings within local service areas in order to reach our colleagues, instructors and staff at a more personal level."

Aside from **Dr. Ellis**, the team of College officials who are traveling to the meetings includes: **William H. Parsonage**, Margaret L. Bastuscheck and **Dr. Martha L. Stirling**, the officers of the Vice President for Continuing Education and of the Dean for Academic Instruction at the Penn State Alumni Association also will be represented.

In addition, **Dean Evan G. Pattishall Jr.** and selected program heads from the College will attend several meetings.

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Among the selections available to Artists Series patrons next season will be the Pittsburgh Ballet in "Coppelia" (top), John Browning (above left), Kurt Masur directing the Gewandhaus Orchestra of Leipzig (right) and the Bella Lewitzky Dance Company in "Inscape" (below).



Worth, 'Elephant Man,' Browning among Artists Series '80-'81 events

Pianist John Browning will open the Artists Series 1980-81 season with an appearance Sept. 28 in Eisenhower Auditorium.

This year, subscribers to one of the four series—Fine Arts, Music, Theatre/Dance, and Drama—will be given priority for tickets to a September special event, a production of the Tony Award-winning musical, *A Chorus Line*.

Browning's appearance is part of the Music Series, which also includes *The Barber of Seville*, sung in English by the Goldovsky Grand Opera Theatre on Oct. 25; the Minnesota Orchestra, Nov. 12; the Empire Brass Quintet, Jan. 11; the Wuertemberg Chamber Orchestra, Feb. 22; and the Gewandhaus Orchestra of Leipzig, April 3.

Another award-winning play, Bernard Pomerance's *The Elephant Man*, will come to Eisenhower Oct. 19 as one of six offerings in the Theatre/Dance series. The others are *The Long Wharf Theatre* production of *The Lion in Winter* by James Goldman, Oct. 4; the first U.S. tour of *Danza Nacional de Cuba*, a modern dance ensemble, Feb. 20; the Pennsylvania Ballet with orchestra in *Coppelia*, March 20; actor Vincent Price as Oscar Wilde, April 10; and the Bella Lewitzky Dance Company, April 24.

The Pittsburgh Chamber Orchestra with conductor and violinist Szymon Goldberg opens the Fine Arts Series on Oct. 10.

Other offerings will be a Jan. 18 appearance by baritone Hakan Hagegard; the Concord String Quartet, Feb. 6; the New York Woodwind Quintet, March 14; and oboist Heinz Holliger, April 14.

Fine Arts patrons may add two other offerings to their subscriptions and obtain a 30 percent discount on the seven "concerts." The "bonuses" are a second

Pittsburgh Chamber Orchestra concert on Oct. 11 with pianist David Bar-Ilan and *The Inimate* P.D.Q. Bach on Feb. 13.

The Drama Series, which is held in Schwab Auditorium, will bring back Irene Worth in a program entitled "Letters of Love and Affection" at a date to be announced. Ossie Davis and Ruby Dee will appear Nov. 7 in a group of dramatic readings, "Inside/Out." Subscribers to this series may also choose two of three presentations by The National Theatre of Great Britain. These are "Pieces of Pinter," March 27; "Kingsley Amis' Nonesay of Light Verse (Carroll to Coward)," March 28; and "Love, Marriage and Infidelity, Sonnets of William Shakespeare," March 29.

The Artists Series will continue its Lively Arts for Young Audiences programs. This year the Pittsburgh Chamber Orchestra will give a youth concert on Oct. 11. The Prince Street Players will stage *Pinocchio* Jan. 31; and the Bella Lewitzky Dance Company will present a program expressly for young people on April 26.

A Ballet Film Festival from the Bolshoi will be shown on Tuesday evenings. Sept. 30 will bring *Swan Lake* with Plisetskaya and Fadeychev; Oct. 14, *The Little Humbacked Horse* with Plisetskaya; Nov. 4, Plisetskaya in *Anna Karenina*; and Dec. 16, *Romeo and Juliet* with Ulanova and Zhdanov.

The Artists Series is accepting renewals from current subscribers through Monday, April 14. Sales to new subscribers will begin Thursday, May 1. Subscription order forms are available at the Artists Series office in Pine Cottage. Further information may be obtained by calling 865-1871.

News in Brief

(Continued from page 1)

Georgia's Fifth District, becoming the first black congressman from the state in 101 years. He was reelected in 1974 and 1976.

A graduate of Howard University and Hartford Theological Seminary, he is an ordained minister in the United Church of Christ.

Toulson to present clarinet recital April 2

An evening of chamber music will be presented by Smith Toulson, clarinetist, and a group of University musicians at 8:30 p.m. Wednesday, April 2, in the recital hall of the Music Building.

Mr. Toulson, associate professor of music, has selected works by four composers for his program. "Grand Duo Concertante" by 19th century German composer Carl Maria von Weber will open the concert, followed by the Sextet for Wind Quintet and Piano by Francis Poulenc, a 20th century French composer.

Opening the second part of the program will be Ludwig Spohr's Six Songs, and Mr. Toulson will close his program with the Trio for Cello, Clarinet and Piano by Johannes Brahms.

Eight musicians will assist Mr. Toulson for the concert. They are Steven Smith and Jill Olson, pianists; Leonard Feldman, cellist; Suzanne Roy, soprano; Overda Page, flutist; Christopher Callahan, French hornist; Monte Bedford, oboist; and Mark Dutkevitch, bassoonist.

Several Gifts and Endowments operations moved to Willard

To provide necessary space, several of the operations of the Office of Gifts and Endowments have been transferred to Room 17 Willard Building (ground level immediately behind Audio Visual Services). The phone numbers for these

offices continue to be 865-6588 and 865-6589.

The offices which have moved are gifts processing and records and the annual giving program group. The former includes Jere Willey, director of administration and information services, and Joanne Farwell, Jean Beightol, Jan Glunt and Barbara Moyer.

Annual giving staff members are George Moellenbrock, director; Cindy Tift, assistant director; David Colton, director, development field services; and Suzanne Seamans and Cynthia Alt.

Gifts and Endowments personnel remaining in Room 100 Old Main are Charles Lupton, executive director; A. William Engel, associate director; James Rhodes, director, planned giving; and Sara Coslo and Ruth Hockenberry. Two new phone numbers have been assigned the Old Main Office—865-6580 and 865-0042.

With the move to Willard, a major revision and upgrading of Penn State's alumni and development records system has become operational, allowing on-line processing of gifts and alumni biographical information. Faster and more efficient records and gifts handling capabilities are now possible.

Deadline past for filing by former DOD employees

All former officers or employees of the Department of Defense who separated from service on or after July 1, 1975, and who are currently employed by the University are required to submit a report (DD Form 1787) annually to the Department of Defense.

This report for the federal fiscal year (Oct. 1 through Sept. 30, 1979) should have been submitted by Feb. 15, 1980. Because failure to comply with the filing of this report constitutes a misdemeanor, the Department of Defense has requested that the University remind those concerned of their responsibility.

From the Trustee Docket

Inflation to force room and board charges up

The Trustees approved an increase in room and board charges for University students, effective in September 1980.

"We have worked very hard to minimize costs to students, but because of high inflation, an increase in room and board rates was unavoidable," President Oswald told the Trustees.

"The tragic inflation that has affected all University operations hits especially hard in the costs of utilities and food. Maintenance and labor costs also are climbing.

"All these factors make an increase necessary in operations such as residence halls, which, as self-supporting units, must generate enough income to offset expenses. No tuition or State funds support dormitories or dining halls," Dr. Oswald said.

"The Trustees' action will change the room-and-board charge to a student with a double room from \$555 to \$610 per term, an increase of \$55. The rate for an academic year of three terms will be \$1,830. The cost of single rooms with board will change from \$600 to \$655.

Dr. Oswald pointed out that the overall 9.9 percent increase is considerably less than the 1979 national inflation rate of 13.3 percent.

"Cumulative inflation from 1974 through 1979 was 66.6 percent," he said. "Penn State room and board costs were rising only 40.8 percent in the same period."

The \$55 increase represents an increase of \$16 per term for room rental, \$36 for board and \$3 in the counseling fee that is included in the overall residence hall costs.

The double room rate for graduate students increases from \$555 to \$610 for room and board; the single room rate will be \$655. Rooms for graduate students who do not use campus dining halls will increase from \$254 to \$282 for double rooms, and from \$294 to \$322 for single rooms. Room and board for graduate students electing to use food coupons will be \$362 for a double room and \$402 for a single, per term.

Rates for Atherton Hall apartments for graduate students at University Park have been increased by \$40 per term for singles and \$50 for doubles, bringing rentals to \$397, \$427 or \$566 per term, depending on the type of facility.

University Manor Apartments at the Milton S. Hershney Medical Center have increased by \$20 to \$25 per month, depending on the type of facility.

New rates at the Capitol Campus will be \$168 and \$178 per month.

Other apartments have increased at varying rates.

Report describes foreign studies programs

Since 1962, more than 3,500 students have been enrolled in foreign studies programs offered by the University, Dr. Robert E. Dunham, vice president for undergraduate studies, said in a report to the Trustees.

From 250 to 300 students study abroad each year, he added, and 18 different programs, in Europe, Africa, South America and the Far East, are offered currently.

"A unique feature of the Penn State program," he said, "is its financing. No State funds are used to support the individual foreign studies programs. All the expenses are covered by income from tuition, room and board fees and a modest program fee."

Foreign studies were initiated at Penn State in 1962, when the College of the Liberal Arts established study-abroad programs in Cologne, West Germany, and in Strasbourg, France.

In a report on the current year, Provost Eddy pointed out that 1,164 students from more than 90 foreign countries are enrolled at Penn State.

"These students represent virtually

every culture on earth," Dr. Eddy said. "We benefit intellectually and culturally from their presence. They add a special dimension to Penn State."

The country with the largest number of students at the University is the Republic of China with 132, Dr. Eddy said. India is second with 97.

Of the total, 862 are graduate students, 213 undergraduates and the rest in various other categories. The College of Engineering has the heaviest representation of foreign students with 272. Science enrolls 157, and Liberal Arts, 150.

Dr. Eddy said 1,046 of the total are studying at University Park.

According to Dr. Dunham, all regularly enrolled Penn State students are eligible to study abroad, if they are in good academic standing and show evidence of maturity, stability and self-discipline. An all-University grade-point average of at least 2.5 out of a possible 4.0 is required. The 1979 group had an overall average of 3.2.

Tuition for all foreign studies programs is the same as for study at the University Park campus. When room-and-board arrangements are provided, the cost is based on standard University Park rates. Students must pay a program fee of about \$35 and round-trip fare for which group rates usually are available.

"Standard financial assistance is available through the Office of Student Aid and can be used for all foreign studies programs," Dr. Dunham said. "The Office of Foreign Studies also has a modest Grant-in-Aid Fund for exceptional cases."

He said Penn State students are encouraged to take advantage of opportunities to study abroad. Among objectives of the various programs, he said, are enrichment of academic studies, increasing international understanding, giving students a first-hand look at other cultures and a more objective look at their own and encouraging reciprocal exchange programs.

All foreign studies programs are administered by the Office of Foreign Studies, directed by Dr. W. Lamarr Kopp.

Two education majors receive new titles

The titles of two majors in the College of Education have been changed.

Special Education is the new designation for the major which was called Education of Exceptional Children; and Communication Disorders is the new name for the former major in Speech Pathology and Audiology.

"Special Education more accurately reflects that program's emphasis and is the more conventional label used across the nation," Provost Eddy explained. "The new title emphasizes the needs of exceptional individuals across a wide range of ages and is not limited to the needs of children."

In addition to speech pathology and audiology, Dr. Eddy said, the major in Communication Disorders will include a program in education of the hearing impaired.

"The new title includes all three program emphases," he said.

No changes are planned in the programs or budgets of either major.

Berks names buildings

The Berks Campus has named its newest building and renamed two others.

The Berks Campus Community Center is now the official name for the newest structure, expected to be in use in Fall 1980. The building had been referred to informally as the "physical education/convention building" or the "human resources building."

"The name 'Community Center' encompasses both the campus community and the community-at-large of Berks County, the latter being the source of

financial support for the building," said Berks Director Harold W. Perkins.

"The word 'Center' refers to the multiple uses of the building for physical education, sports, assemblies and convocations, and exhibits," he added.

In addition, the Campus's former Community-Student Learning Center — which houses classes, conferences, assemblies, exhibits, offices, food services, the bookstore and a theatre, as well as special continuing education and community activities — has been renamed the Student Center.

"Simplifying the name of this building, which was built primarily from funds raised locally, broadens the definition of our students, who come to the Campus for the diverse purposes of continuing education and part-time or full-time coursework," Dr. Perkins said.

The Berks Campus Library Building has been renamed the Memorial Library.

"The new name dignifies the accommodations for full library service and for the storage of archives, memorabilia and historical items of the Berks Campus and its predecessor, the Wyomissing Polytechnic Institute," Dr. Perkins noted.

The new names were approved by the Berks Campus Senate and Advisory Board before being presented to the Trustees.

14 persons appointed to study Board committees

Trustee President Quentin E. Wood has appointed 14 individuals to an ad hoc committee to study the organization and operation of the Board's three standing committees.

The ad hoc committee was authorized by the Board.

Walter J. Conti, of Doylestown, vice president of the Board, will serve as chairman. Other Trustees named were: Howard O. Beaver, of Reading; State Rep. Robert A. Madigan of Towanda; Stanley G. Schaffer of Pittsburgh; Charles W. Shaeffer of Baltimore; J. Luther Snyder of Camp Hill; William K. Ulerich of Clearfield; and Dr. Helen D. Wise of State College.

University administrators named were: Provost Edward D. Eddy; Dr. Richard Grubb, senior vice president for administration; Robert A. Patterson, senior vice president for finance and operations; and Patricia Rosdil, associate secretary of the Board.

President Oswald and Mr. Wood will serve as ex-officio members of the ad hoc committee.

By-laws of Penn State's Board of Trustees provide for standing committees on Educational Policy, Physical Plant and Finance.

New award funds announced

Award funds announced to the Trustees include:

— A \$10,000 Raymond and Janet Larson Grant-in-Aid Fund to meet necessary college expenses for varsity football players. The initial principal has been contributed by Raymond Larson, of Kylertown, PA. Students who are outstanding members of the varsity football team are eligible for the grants, as are prospective students who will play varsity football and show promise of future success.

— A \$4,100 Men's Varsity Fencing Award to recognize student-athletes who are committed to scholarship and participate in extra-curricular activities. The initial principal was contributed by fencing team members, and alumni and friends of the University. All students of at least three terms standing who have shown exemplary academic achievement, have demonstrated fencing ability, and have participated in community or University extracurricular endeavors are eligible for the award.

— An \$1,800 A.L. Bortree Award Fund for outstanding students who plan to become veterinarians. The initial principal has been established by a transfer of income

earned and by contributions of faculty, alumni, industry and other interested parties. The fund was formed to honor Dr. Alfred L. Bortree on his retirement after 26 years as the founding head of the Department of Veterinary Science.

— A Dan H. Waugh Memorial Teaching Award of more than \$1,600 to commend superior teaching skills in graduate assistants in chemistry. The initial principal was donated by the friends, teachers and colleagues of the late Dan Waugh, of Storrs, Conn., a teaching assistant who earned a Ph.D. in chemistry in 1976. He died of leukemia in June 1979. Graduate teaching assistants performing classroom or laboratory instruction in chemistry are eligible for the award. They must have received superior teaching evaluations or shown outstanding promise as teachers.

— A Charles R. Chambers Memorial Fund of more than \$1,500 to provide awards for employees in the University's Controller's Office. The initial principal was given by the family, friends and associates of the late Charles R. Chambers, director of accounting at the University from January 1967 until his retirement in July 1977. Full-time employees in the Controller's Office who show a conscientious and dedicated attitude toward their professional responsibilities above that normally expected or required are eligible for the award, which will not be less than \$100.

— A Pennsylvania State Forest Academy/School Memorial Award of more than \$1,500 to recognize promising sophomore forestry majors enrolled at the Mont Alto Campus. The initial principal was contributed in honor of the late Joseph T. Rothrock, George H. Wirt and Edwin A. Ziegler by friends, classmates, colleagues and students of the Academy/School. Joseph Rothrock was a physician and naturalist who founded the Academy. George Wirt was the first director of the academy and a primary formulator of its programs. Edwin Ziegler was a later director who also played a major role in developing the academy.

— A \$1,000 Nabisco Food Science Scholarship to help needy food science students with their college expenses. Nabisco, Inc. of East Hanover, NJ, will contribute the money annually for the scholarships, which are open to all students in the College of Agriculture's Food Science Department.

Physical Plant alterations

The Trustees authorized expenditure of additional funds of \$32,029.36 for a proposed locker room and shower addition to the Convocation and Recreation Building at Fayette.

The addition was originally approved in November 1979 at a cost of \$130,000. The entire project is being funded with money raised by the Fayette Campus Advisory Board. No State or tuition funds are involved. Robert A. Patterson, senior vice president for finance and operations, told the Trustees.

Final plans for a swine confinement barn to house animals used in research by the College of Agriculture have been approved. The 40-by-145-foot wood frame building will be located adjacent to the swine research facility on Porter Road.

Bids on the building, to cost about \$130,000, will be let immediately, with construction to be completed by mid-summer 1980.

An addition to the Milton S. Hershney Medical Center, approved last September, moved a step closer to initial construction with Trustee approval of preliminary plans.

University Park Calendar

March 27- April 6 Special Events

Thursday, March 27

Cinemathèque Film Series, *Two for the Road*, 6:30 and 8:30 p.m., HUB Assembly Room.
Commonplace Theatre, *Jimi Hendrix*, 7 and 9 p.m., Room 112 Kern. Also March 28 and 30.

URTC, Jose Martin Recuerda, *The Innates of the Convent of Saint Mary Egyptian*, 8 p.m., The Pavilion Theatre.

Friday, March 28

Pas/Fail.
Pittsburgh Symphony Orchestra Residency, Kathy Butera, asst. manager, Pittsburgh Symphony, conducts a panel on preparing young people's concerts, 2 p.m., Music Bldg. Recital Hall; Victoria Bond, Pittsburgh Symphony, conducting workshop, 4 p.m., Room 110 Music Bldg.

"College of Science, Ernest C. Pollard Lecture, 3:45 p.m., Room 112 Kern. Philip C. Hanawalt, biology, Stanford Univ., on "Cellular Responses to Damaged DNA in Bacteria and Mammals."

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker, Robert Blanchard, director, School of Journalism, on "Congress and the News Media."

CSA film, *The Wild Bunch*, 7 and 9:30 p.m., Room 101 Chambers. Also March 29.

Karate Club film, *Seven Samurai*, 7 and 10 p.m., Room 102 Forum. Also March 29 and 30.
Interlandia, folkdancing, 7:30 p.m., HUB Ballroom.

URTC, *The Innates of the Convent of Saint Mary Egyptian*, 8 p.m., The Pavilion Theatre.

Artists Series, Pittsburgh Symphony Orchestra, Michael Tilson Thomas, conductor, 8:30 p.m., Eisenhower Auditorium.

Saturday, March 29

Annual Faculty/Staff/Grad. Student Swim Relay, 7 a.m.-9 p.m., Natatorium.
Artists Series, Pittsburgh Symphony Youth Concert, 10:30 a.m.; Pittsburgh Symphony Orchestra, 8:30 p.m., both in Eisenhower Auditorium.

Sports: softball, preseason tournament, 11:30 a.m.; lacrosse (men) vs. Syracuse, 2 p.m.; volleyball (men) vs. Rutgers/Newark, 7 p.m.
France-Cinema, *Peppermint Soda*, 7 and 9 p.m., Room 112 Kern.

URTC, *The Innates of the Convent of Saint Mary Egyptian*, 8 p.m., The Pavilion Theatre.

Sunday, March 30

University Chapel Service, 11 a.m., Eisenhower Chapel, archdeacon Dance Program, Pat Heigel-Tanner, director.

Unity Christian Campus Ministries Service, 11:15 a.m., Frizzell Room, Eisenhower Chapel.

Joel West, baritone, and David Hudson, tenor, 3:30 p.m., Music Bldg. Recital Hall.
HUB Mini-Concert, Abilene, country rock, 9 p.m., HUB Ballroom.

Monday, March 31

Drop deadline.
Registration deadline for Summer Term 1980.
Pace/Fail.

Course repeat deadline.
Sports: baseball vs. Bloomsburg (double header), 1:30 p.m.

Music in Interesting Times Lecture, 3 p.m., Music Bldg. Recital Hall. Robert P. Morgan, composer and critic, Univ. of Chicago, on "Music: Who Are Our Composers Writing For?"

Shakespeare film, *Henry V* (Olivier), 6:30 p.m., Room 101 Chambers.
France-Cinema, *Peppermint Soda*, 7 and 9 p.m., Room 112 Kern.

"College of Science, Priestley Lecture, 8 p.m., Room 119 Osmond. J.C. Polanyi, Univ. of Toronto, on "The Molecular Dynamics of Simple Chemical Reactions: Infrared Chemiluminescence and Chemical Lasers."

"AH/School of Journalism, History of Photography Lecture, 8 p.m., Room 101 Kern. A.B. Charley, Clarion State College, on "Man Ray: Last of the Red-Hot Dads." Brenda Hatch, soprano, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, April 1

Exhibition and sale of original graphic art from



Flamenco guitarist Carlos Lomas is appearing in URTC production of "The Innates of the Convent of Saint Mary Egyptian" now at the Pavilion Theatre.

Erikson Gallery, 11 a.m.-7 p.m., Kern Lobby.
Comp. Lit. Luncheon, 12:15; talk, 1 p.m., Hotel State College. Thomas Hale, French, on "Africa: Written Literature and Oral Literature."

University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

School of Music Common Hour, 4 p.m., Music Bldg. Recital Hall.
Comp. Lit. Film Series, Frankenhimer, *The Fiver*, 6:30 and 8:45 p.m., Room 112 Kern. Shakespeare film, *Henry V* (Olivier), 6:30 p.m., Room 112 Chambers.

Artists Series film, *Tokyo Story*, 8 p.m., Schwab.
"College of Science, Priestley Lecture, 8 p.m., Room 333 Whitmore. John C. Polanyi on "Molecular Motions in Simple Chemical Reactions as Evidenced by the Motions of Newly Born Reaction Products."

Museum of Art Lecture, 8 p.m., Museum of Art, John C. O'Connor and Ralph M. Yeager discuss their collection of Pennsylvania prints.
URTC, *The Innates of the Convent of Saint Mary Egyptian*, 8 p.m., The Pavilion Theatre.

Wednesday, April 2

Exhibition and sale of original graphic art from Erikson Gallery, 10 a.m.-5 p.m., Kern Lobby.
Sports: tennis (women) vs. Princeton, 1:30 p.m. Music in Interesting Times Lecture, 3 p.m., Music Bldg. Recital Hall. Burt Fennner, music, demonstration and discussion of electronic music.

France-Cinema, *Hiroshima Mon Amour*, 7 and 9 p.m., Room 112 Kern.

"College of Science, Priestley Lecture, 8 p.m., Room 333 Whitmore. John C. Polanyi on "The Effects of Differing Types of Molecular Motion in Reagents on the Probability of Chemical Reaction."

Colloquy, Andrew Young, former U.S. Ambassador to the U.N., speaker, 8 p.m., Rec. Hall.
URTC, *The Innates of the Convent of Saint Mary Egyptian*, 8 p.m., The Pavilion Theatre.

Smith Toulson, clarinet, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, April 3

STS/Three Cultures Dialogue on "Science/Technology for War or Peace," luncheon, noon; presentation, 12:20 p.m., Room 101 Kern. Robert E. Harvay, political scientist, on "Role of Technology in U.S.-Soviet Relations."

Cinemathèque Film Series, *Spy Who Came in from the Cold*, 6:30 and 8:30 p.m., HUB Assembly Room.

"College of Science, Priestley Lecture, 8 p.m., Room 333 Whitmore. John C. Polanyi on "Energy Transfer Processes Studied by a

Variety of Methods Including State-Selected Supersonic Beams."

Spanish Dept. Lecture, 8 p.m., Room 112 Kern. Jose Martin Recuerda on "El amor y la muerte en el teatro de Garcia Lorca."

URTC, *The Innates of the Convent of Saint Mary Egyptian*, 8 p.m., The Pavilion Theatre.

Friday, April 4

Sports: track (men), Nittany Lion Relays (Decathlon), 3 p.m.; volleyball (men) vs. Springfield, 6 p.m.

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Anthony V. Williams and Nancy Murdock, geography, on "Energy and the Sense."

France-Cinema, *Bread and Chocolate*, 7 and 9 p.m., Room 101 Chambers. Also April 5 and 6.

Commonplace Theatre, *Lisztomania*, 7 and 9 p.m., Room 112 Kern.

Interlandia, folkdancing, 7:30 p.m., HUB Ballroom.

URTC, *The Innates of the Convent of Saint Mary Egyptian*, 8 p.m., The Pavilion Theatre.

Saturday, April 5

Sports: track (men), Nittany Lion Relays, 10 a.m.; baseball vs. Rutgers (doubleheader), 1 p.m.; lacrosse (men) vs. Ohio State, 2 p.m. Horticulture Dept. Easter flower sale, noon-4 p.m., behind Tyson Bldg.

Commonplace Theatre, *14th Tournee of Animation*, 7 and 9 p.m., Room 112 Kern.

URTC, *The Innates of the Convent of Saint Mary Egyptian*, 8 p.m., The Pavilion Theatre.

Sunday, April 6

University Chapel Service, 11 a.m., Music Bldg. Recital Hall. Chapel Choir Easter Service, Tommie Irwin, director.

HUB Craft Center, registration for 2nd session classes, noon-5 p.m., daily through April 12; Open House, 7:30-9:30 p.m., Room 312 HUB.

Sports: tennis (men) vs. West Virginia, 1 p.m.; baseball vs. West Chester, 1:30 p.m.

Commonplace Theatre, *Lisztomania*, 7 and 9 p.m., Room 112 Kern.

Seminars

Thursday, March 27

Fuel Science, J.M. Tarbell, chem. eng., on "Nitric Oxide Formation During Coal Combustion," 4 p.m., Room 301 Steidle (new listing).

Institute of Electrical and Electronics Engineers, J.S. Nisbet, elec. eng., on "Three Faces of the U.S.S.R.," 7:30 p.m., Room 329 EE East.

Friday, March 28

Applied Research Labs, John C. Glowienka, Oak Ridge Assoc. Univs., on "The ABC's of

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Nuclear Fusion," 10:45 a.m., Eric A. Walker Conference Room, Applied Science Bldg.
Analytical Chemistry, Paul Longeway, grad. student, on "Infrared Laser Photochemistry of Silane," 11:10 a.m., Room 333 Whitmore.

Tuesday, April 1

Plant Pathology, Garfield G. Thomas, grad. student, on "Performed Chemical Barriers to Seed Infection," 9:45 a.m., Room 213 Buckhout.

Organic/Inorganic Chemistry, Charles Grisham, Univ. of Virginia, on "NMR and EPR Studies of Structure and Mechanisms of Kidney (NA+ and K+)-ATPase," 12:45 p.m., Room 333 Whitmore.

Wittgenstein's Vienna, Joseph J. Kockelmans, philosophy, on "Wittgenstein and Her's The Principles of Mechanics," 3:30 p.m., Room 319 Walker.

Engineering Science and Mechanics, H. Frost, ARL, on "Action of Ultrasound on Materials Simulating Biological Tissue," 4 p.m., Room 232 Hammond.

Thursday, April 3

Chemistry, Charles N. Reiley, Univ. of North Carolina/Chapel Hill, speaker.

Physics, Mark J. Cardillo, Bell Telephone Labs, on "The Fraction of Helium Atoms at Semiconductor Surfaces," 3:50 p.m., Room 445 Davey.

Fuel Science, R.J. Diefendorf, Rensselaer Polytechnic Institute, on "Thermodynamic Description of Pitch Mesophases," 4 p.m., Room 301 Steidle.

Mathematics, Joe Roilberg, CUNY, on "Some Relations Between Algebraic Topology and Group Theory," 4 p.m., Room 103 McAllister.

Friday, April 4

Physics, Mark J. Cardillo, Bell Telephone Labs, on "More on Fraction of Helium Atoms at Semiconductor Surfaces," 11 a.m., Room 339 Davey.

Analytical Chemistry, William Chan on "Microprocess Automation of Scientific Instruments," 11:10 a.m., Room 333 Whitmore.

Exhibits

Chambers Gallery: Eleanor Drake-Lewis, experimental weavings and bronze cast sculpture by Fine Arts Students, through April 2.

HUB Galleries: master works from the National Glass Conference, The Gallery. Bruce Johnson, watercolors and prints, Browning Gallery. Art Alliance of Central Pa. Members' exhibit, through March 29; "Slavic Folk Arts Festival exhibit, opens April 1, Art Alley.

Kern Gallery: Frederick J. Tarr, drawings, through March 31; Nicholas Webb, ceramics, through March 28; Chen Chih Ming, ink drawings, through April 3; Ukrainian Club Easter display, opens April 1; David Rubello, photographs and paintings, opens April 5.

Museum of Art: Pennsylvania prints from the collection of John C. O'Connor and Ralph M. Yeager; aspects of representation after World War II — works from the permanent collection; Chinese export porcelains from the collection of Dr. and Mrs. Harold L. Tonkin.

Pattee Library: Janice Becker, drawings, through March 27; Rome Hanis and Mary Edith Miller, photographs, opens March 28, East Corridor Gallery; Maura Fadden, paintings and drawings, through March 27; Ann Mancini, photographs, opens March 28, Lending Services Lobby; Sidney Schwartz, sculpture, and Barbara Spirt, ceramics, through March 27, Main Lobby.

Robeson Cultural Center: Francis Couch, paintings, prints and drawings, through April 3.

Visual Arts Bldg. Zoller Library: National Glass Conference exhibit.

*Asterisk indicates event tied in with Penn State's 125th anniversary year.

Senate

(Continued from page 1)

regular courses, to courses specially designed for students in the program, and to independent study and 500-level courses taken by program students. If students arrange in advance with instructors to do significant alternative work in a course, the course could be designated an Honors-Supplement course.

Other changes in Policy 65-00 would provide for recognition of University Scholars and for regular Senate review of the program.

Senators will also be asked to make three changes in Policy 34-58 to give program students priority in access to overcrowded courses and allow them to take 400- and 500-level courses.

Finally, diplomas of program graduates would record the fact under a minor proposed revision to Policy 68-70.

Dr. Robert E. Dunham, vice president for undergraduate studies, will present an oral report on a two-day conference held March 13-14, dealing, in part, with freshman retention.

The request for a forensic session was made by Dr. Rustum Roy, professor of solid state science and director of the Materials Research Laboratory. Dr. Roy asked for a discussion of the implications of a memorandum from the Chicago Office of the Department of Energy which offers "guidance concerning relationships by DOE contractors with nationals of the USSR and other Soviet block countries as a result of the Soviet invasion of Afghanistan."

According to the memorandum, "The delegated authority to approve Soviet bloc visitors on a casual basis is to be suspended indefinitely. All requests for visits and assignments by Soviet bloc nationals to DOE facilities must be submitted to the Contracting Officer for approval. . . ."

ARL aide enjoys respite after 12 long years of study

It took 12 long years of balancing part-time college coursework with a family and a full-time job.

But on March 1, Hugh J. Clarke, 49, a senior engineering aide at the Applied Research Laboratory, graduated from Penn State with a B.S. degree in business administration.

"Even though it's been very rewarding, it's a relief not to be taking courses any more; I seem to have been going to school continuously for a quarter of my life," he says.

Mr. Clarke, a 1948 graduate of Altoona High School, had some familiarity with college courses well before he started pursuing his B.S.

"After being discharged from the Navy in 1954, I enrolled in an associate degree program in electrical technology that had just been started at the Altoona Campus. When I graduated in 1956, I accepted an R&D position with Curtis-Wright in Clearfield County. I also took some Penn State continuing education classes at night, which Curtis-Wright sponsored."

Joining the ARL staff at Penn State in 1959, he also enrolled in an engineering series of calculus and geometry courses to increase his knowledge for his work with underwater electroacoustic transducers. In 1962, family health problems forced him to discontinue his studies.

In 1968, he started to work toward the 133 credits required for the B.S. in business administration. Permitted to take about three credits per 10-week term during work hours, he held to this pace for 32 consecutive terms, taking only summers off.

"It's still hard for me to put my finger on why I wanted to do it," he notes. "Basically, it boils down to the desire for self-improvement and for acquiring the knowledge and skills that contribute to better performance on the job."

Mr. Clarke found his courses "very demanding, with tremendous competition. But I was always received very well by my



Librarian Charles W. Mann, and Dr. Wilma Stern, assistant professor of art history, inspect one of the volumes in the Archaeological Institute of America Centennial Exhibition, being held through April 24 in the Rare Books Room. The exhibit is sponsored by the Central Pennsylvania Society of the AIA.

"Until further notice, any communication with the Soviets either by letter, telefax or phone must be cleared with the Contracting Officer for Headquarters, DOE coordination/clearance. . . ."

Among other items on the docket is an informational report from the Committee on Academic and Athletic Standards reviewing its duties. These include recommending appropriate changes in *Academic Policies and Procedures*, reviewing petitions for exemption to these policies, approving athletic schedules, considering student eligibility for intercollegiate athletics, and helping to promote a sound academic climate for intercollegiate athletics.

During the last two years, two of the Committee's high priority problems have been closed practices and facilities use. The Athletic Standards Subcommittee expanded its membership by adding users of such facilities as the indoor Rec Hall

track, the Natatorium and White Building to provide an advisory body to Health, Physical Education and Recreation Dean Robert Scannell. Committee members have also instituted a policy for visiting closed practices to insure that procedures used there are congruent with University athletic policies.

An informational report from the Planning and Development Committee describing progress on the 1980 planning and budget procedures will be presented. The Committee is also offering a legislative proposal for monitoring the process of development and application of costing methods.

The Senate Libraries Committee has an oral report scheduled for the meeting.

According to a calendar which is included with the docket, the Senate will meet nine times during its 1980-81 year. No meetings will be held in December, July and August.



Hugh Clarke

younger classmates and the professors.

"My age provided no real advantage or disadvantage," he offers. "If you're older, you do have a little edge because you have some experience. But this degree was outside my field of practice, and I couldn't always come back to the lab and relate what I was experiencing in the classroom."

So why did he find business administration appealing?

"It seemed to me that business administration was a natural to go with my technical training, since business administration provides knowledge and skills in such areas as industrial relations, human resource management, planning, organizing and controlling—all of which I could apply to formal organizations."

Mr. Clarke had to stick to a rigid schedule to keep up with his assignments. "I set aside certain hours for studying each night, usually from about 7 to 10 or 11 and sometimes later. I also did a little studying on weekends."

At times, he recalls, there were bouts of

discouragement. "But you keep going. You look at the total picture and see that you're pretty well committed. You get the feeling that, if you quit now, everything is lost. This provides a strong motivation to continue."

Another form of support came from his family. His wife, Marge, is a private duty registered nurse in State College. Daughter Cathy is now a student in Altoona's Hospital's nursing program and will graduate in June.

The last 12 years have not been all work for Mr. Clarke. On football Saturdays, he enjoys tuckering at Beaver Stadium. He hunts and fishes, and on workdays he plays squash in Rec Hall over his lunch hour. He is also a member of the College Township Parks and Recreation Committee.

And, he claims, his coursework was far from finished.

"I'm going to take a rest for a little while, but there are some meteorology and anthropology courses I want to take. Winter Term's a good time for studying, so I'll probably take one then."

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 473-1387). Applications for these staff vacancies will be accepted until 5 p.m., April 5, 1980. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

JUNIOR RESEARCH AIDE, INTERCOLLEGE RESEARCH PROGRAMS, University Park Oversee support programs for animal health programs, surgery, necropsy and diagnostic procedures under direction of a clinical laboratory animal veterinarian. Position will involve animal restraint, injections, physical examinations, clinicalopathologic tests, first aid, radiography, sample collection, record keeping, operation of medical equipment and cooperation with veterinarians, students, and faculty. Associate's degree with emphasis in veterinary technology, or equivalent, plus three to six months of effective experience required.

DIRECTOR OF CAMPUS RELATIONS, Capital Campus Responsible for a comprehensive University Relations program for the entire campus to include public information, development programs and alumni affairs. Bachelor's degree or equivalent, plus four to seven years of effective experience involving development, fund raising, newspaper and/or journalistic writing and public relations.

APPLICATIONS PROGRAMMER/ANALYST, UNIVERSITY LIBRARIES, University Park Responsible to Senior Analyst/Programmer for conducting analyses of data processing and operational problems, determining detailed requirements to solve problems, formulating logical statement of systems problems, and preparing computer programs to satisfy desired results. Make presentations and submit written reports. Assist in providing technical control within the specifications of project schedules. Bachelor's degree or equivalent in basic computer systems and one to two years of effective experience in computer programming and analyses are required.

FINANCIAL OFFICER, Beaver Campus Responsible to the Controller for budget and expenditure control of campus operating budgets. Provide primary assistance to the campus director in financial and related administrative matters. Manage and control the campus operating funds, including petty cash and change funds. Ensure compliance with cash and other administrative policies. Prepare periodic financial reports, deposit all cash receipts, issue and settle advances for travel. Maintain and control student accounts receivable, process refunds, collect tuition and unpaid balances. Responsible for receipt and distribution of payroll checks. Responsible for property inventory, tagging of equipment, inventory records and periodic inventory reports. Bachelor's degree in accounting with two to four years of directly related experience in accounting operations.

SUPERVISOR, HEMATOLOGY LABORATORY, COLLEGE OF MEDICINE, Hershey Perform special studies such as immunoelectrophoresis, enzyme assays as well as other complex procedures requiring extensive technical training. Organize work assignments, direct and guide other technicians in the performance of various clinical and research studies. Establish and maintain quality controls for each procedure performed. Assist in the design and writing of protocols for various clinical and research studies which are to be performed. Responsible to Chief, Division of Hematology, for the supervision and operation of the Special Hematology Laboratory. Assist in assignments relating to clinical and research investigation within the Division of Hematology and supervise a varying number of lower-level technologists. A bachelor's degree in medical technology or equivalent, plus three to four years of effective experience.

LIBRARY ASSISTANT, Worthington Scranton Campus Responsible to the Campus Librarian for assistance in all phases of library operations, including circulation process, check-out and book returns. Supervise part-time personnel. Schedule work assignments. Maintain information files. Associate degree or equivalent plus up to one year of effective experience.

RESEARCH TECHNOLOGIST, COLLEGE OF SCIENCE, University Park Research in enzymology — enzyme purification, bacterial growth, chromatographic techniques, electrophoresis, enzymatic assays. Candidate should have some experience with various instruments such as spectrophotometers, centrifuges, fraction collectors, as well as techniques in handling low-level amounts of radioactive labeled compounds for tracer analysis. General areas: enzymic kinetics and mechanism, isotope exchange kinetics, membrane protein function from thermally labile bacteria. Bachelor's degree in chemistry, biochemistry, or closely related area with two years of effective laboratory experience.

Penn State Intercom

Freshman year, satellite communications groups named

Satellite TV might cut costs, improve communications

An ad hoc committee to explore the potential applications and feasibility of Penn State's better utilizing satellite television communications has been appointed by Dr. Richard E. Grubb, senior vice president for administration.

The committee will be chaired by Marlowe Froke, director of media and learning resources in Continuing Education. Among its charges are to investigate the possibilities of using satellite communications to conduct University business among the 22 Penn State campuses and to examine its uses in Continuing Education.

The committee will also study the opportunities satellite communications offer for student instruction and for recruiting. Other areas to be investigated include fund raising, alumni relations, agricultural extension communications, data transmission for the Libraries, and the producing of material for satellite/cable programming.

Satellite communications may provide an answer to holding the line on the ever-increasing costs of communication and transportation between and among the University's various constituencies, Dr. Grubb points out.

Serving on the committee will be: Charles R. Blunt, assistant director, systems planning and development; Dr. Ronald Chey, professor and chairman, obstetrics and gynecology; Hershey; Donald C. Dickason, dean of admissions; Dr. J. Cordell Hatch, professor of agricultural communications; Dr. Donald W. Johnson, director, University Division of Instructional Services; J. Thomas Kidd, associate executive director for alumni

(Continued on page 2)



Mr. Sullivan



Mr. Bierbauer

Two newsmen to share expertise

Walter Sullivan, science editor of The New York Times, will present the 1980 A. Dixon Johnson Memorial Lecture in Science Communication at the University on Thursday, April 10.

The lecture, "Communicating Science to the Public," will be held at 8 p.m. in Room 105 Forum Building and is open to the public free of charge.

One of the country's foremost science writers, Mr. Sullivan is known for his ability to translate technical information into articles for the layperson.

In addition to his articles in the Times, he is the author of several books, *We Are Not Alone* (for which he won the International Non-Fiction Book Prize), *Assault on the Unknown*, *Continents in Motion*, *Quest for a Continent* and his latest, *Black Holes - The Edge of Space*.

(Continued on page 2)

Charles Bierbauer, an international correspondent for ABC News, will return to University Park April 7-10 as a Liberal Arts Alumni Fellow.

A 1966 graduate with a dual Russian-journalism degree, Mr. Bierbauer began his news career with the Associated Press in 1967. During 1968 and 1969, he was an Edward R. Murrow Fellow in Belgrade, earning a master's degree in journalism from Penn State in 1970.

In subsequent posts, he served as a bureau chief in Bonn and foreign editor in London for Group W. Prior to joining ABC in 1978, he worked in Philadelphia at KYW TV.

The public is invited to hear Mr. Bierbauer discuss the importance of foreign language study in liberal arts education Wednesday, April 9, at 2:20 p.m. in Room 152 Hammond.

Joint committee asked to examine entire freshman experience

A Joint Committee on the Freshman Experience at Penn State, with particular reference to University Park, has been appointed by Provost Eddy and University Faculty Senate Chairman George J. McMurtry.

The committee will be chaired by Dr. Patricia Farrell, associate professor and head of recreation and parks.

The decision to establish the committee was reached, according to Dr. Eddy and Dr. McMurtry, because "a number of us have been troubled by the gaps and sometimes negligence which occur in introducing incoming freshman students to the possibilities and lifestyle of an important four-year period devoted to learning and personal development."

The mandate to the committee encourages its members to concern themselves with every facet of the freshman experience, and 11 topics have been suggested as possible agenda items.

Under the general rubric of academic life and services, topics of concern to the committee would include advising, the nature and quality of academic instruction and learning, and academic resources such as libraries and counseling.

Extracurricular life and services provide a second general area which the committee may wish to explore. Among the topics to be considered are the nature and quality of both residential and social life. Should freshmen be compelled to live on campus? What policies, practices and programs will decrease vandalism and increase civility? The committee will also be asked to look at student support services and organizations and to consider whether dorm contracts and food service plans could be changed to minimize social isolation and malaise.

A third broad area of concern is the quality and nature of the personal life during the freshman year. Are there adequate counseling services for those with personal and psychological problems? How prevalent are homesickness, depression, feelings of alienation? How prevalent are alcoholism and drug abuse and what can be done about them? What is the best way for the University to assist students with the development of value priorities?

In addressing these areas, committee members will be asked to determine "what's right" as well as "what's wrong." The target date for completion of the study and presentation of a set of specific recommendations based on the committee's findings is the end of Winter Term 1981.

In addition to Dr. Farrell, the members of the committee are: Dr. Robert C. Baldwin, assistant professor of wood science and technology; Dr. Richard P. Chait, assistant provost; Dr. Robert E. Dunham, vice president for undergraduate studies; Michael McGee, assistant academic coordinator; Dr. Raymond O. Murphy, vice president for student affairs; Dr. Phillip E. Stebbins, associate professor of history; John A. Vargas Jr., assistant professor of environmental sciences at Dubois; and four students - Paul D. Bell, Eric Moorhead, Sherry Scheithauer, and Amy Young.

News in Brief

Women in Latin American society, politics to be discussed

Dr. Mercedes Fermin, a Fulbright Distinguished Latin American Scholar and a professor of geography at Central University of Venezuela, will present a public lecture at 7:30 p.m. Thursday, April 10, in Room 109 Walker Building.

Her topics: "Women in Latin American Society and Politics."

Dr. Fermin, a former Venezuelan senator, holds a doctorate in geography from Boston University. Her visit is sponsored by the Department of Political Science and the Latin American Studies Committee.

Public seminar, tours to mark reactor anniversary

A public seminar and building tours have been scheduled April 11 and 12 to mark the 25th anniversary of the Breazeale Nuclear Reactor, the oldest operating research reactor in existence.

"Contribution of Research Reactors to Education, Industry, and Safety" is the topic of the seminar, which will be held from 3 to 5 p.m. on Friday in Keller Building Auditorium.

President Oswald will present opening remarks, and President Emeritus Eric A. Walker will speak on "Historical Events - Looking Back at 1955."

Dr. Henry Gomberg, director, KMS Fusion, Inc., of Ann Arbor, will speak on "Current Events - 1955 through 1980." Dr. Bert Wolfe, vice president and general manager of General Electric's Nuclear Fuels Service Division in San Jose, will discuss "For the Future."

Public tours of the reactor will be conducted from 10 a.m. to 2 p.m. on Saturday.

The reactor facility is named for the late Dr. William M. Breazeale, who designed the reactor while serving on the Penn State faculty from 1953 to 1958. Considered the "father of swimming pool reactors," he was the first professor of nuclear engineering at Penn State.

Doctoral thesis wins award

The 1979 Penn State doctoral thesis written by Elaine Di Biase, currently assistant vice president for academic affairs at Mansfield State College, has been named the Outstanding Dissertation of the Year by the Association for the Study of Higher Education.

The dissertation, "Classical Tenure and Contemporary Alternatives: Academic's Principles and Court Decisions," was

unanimously selected from five finalists in a field of 53 entries.

Dr. William E. Toombs, professor of education and associate at the Center for the Study of Higher Education, served as Dr. Di Biase's thesis advisor.

Entering freshmen score above national average

Ninety six percent of the 1979 entering freshmen at University Park graduated from high school in the upper one-fifth of their class, and 65 percent had a grade point average of "A."

These figures are significantly higher than the national average for freshmen, Provost Eddy told the Board of Trustees at its March meeting. Dr. Eddy was standing in for President Oswald, who had been hospitalized with a cracked rib.

Nationally, only 31 percent of all freshmen brought "A" averages with them to college.

Easter buffet at Inn

The Nittany Lion Inn is planning a special Easter buffet from noon to 2:30 p.m. and from 6 to 8 p.m. on Sunday, April 6.

Centrepieces specially created by Chef Richard Jackson will decorate the buffet table, which will feature top round of beef

(Continued on page 4)

Penn Staters



George W. Bierly has announced that he will retire next fall after 33 years on the staff — 22 of them as director — of the Wilkes-Barre Campus.

Mr. Bierly, who came to the Campus as a part-time instructor in 1947, has pioneered the development of associate degree programs in engineering technology, among them Biomedical Equipment Technology, Surveying Technology and Highway Engineering Technology.

He is currently involved in setting up new programs in Telecommunications and Railway Engineering Technology, believed to be the first such programs in the nation.

The present Campus setting was obtained under Mr. Bierly's directorship when the 50-acre John N. Conyngham estate in Lehman Township was given to Penn State as a gift, enabling the Campus to move from its crowded quarters in the Guthrie Building in Wilkes-Barre. In addition to the two buildings belonging to the estate, the Campus has added a laboratory and a classroom building.

Mr. Bierly graduated from the Massachusetts Institute of Technology. He was named assistant professor of engineering at Wilkes-Barre in 1952 and became director in 1958.

He is a past chairman of the Regional Education Planning Council, and in 1976 received the Outstanding Engineer Award of the Luzerne County Chapter of the Pennsylvania Society of Professional Engineers.

Dr. Helen A. Guthrie, professor and head of the nutrition program in the College of Human Development, last Thursday received the 1980 Outstanding Alumni Award from the College of Human Ecology Alumni Association of Michigan State University, where she earned her M.S. in nutrition and biochemistry. She was cited for outstanding teaching and research accomplishments in her field. Dr. Guthrie joined the Penn State faculty in 1948 as an instructor in nutrition, and was named head of the program in 1971. She earned her B.S. in home economics at the University of Western Ontario and her Ph.D. in physiology at the University of Hawaii.

David B. Van Dommelen, professor of art education, recently won the Josephus Daniels Charitable Foundation Purchase Award for his stitcher-wall hanging "Purple Homage to Mariska Karsz." The wall hanging was one of two pieces Professor Van Dommelen submitted in the invitational portion of the Needlework IV exhibition in Raleigh, NC, sponsored by the Mordecai Square Historical Society. This is the third time Professor Van Dommelen has been invited to exhibit in the biennial show; in 1978, he won the Burroughs Wellcome Purchase Award.

Harmer A. Weeden, professor emeritus of civil engineering, recently received the Earle J. Fennel Award for Outstanding Contribution to Surveying and Mapping Education. The award is presented by the American Congress on Surveying and Mapping, "in recognition of distinguished personal contributions, as an educator, to the surveying profession, to the Congress, and to the objectives of Continuing Education."

Dr. Paul B. Harvey Jr., associate professor of history, recently delivered at Harvard University an invited lecture on "Agros non continuat: Ideological and Social Constraints on Roman Investment in Real Estate." The lecture was sponsored by Harvard's Department of The Classics.

Dr. Paul Todd, professor of cell biology, biochemistry and biophysics, presented a paper last month at the National Institutes of Health at Bethesda, MD. His topic was "Mutagenesis, Transformation, Cell-Killing." The meeting was sponsored by the Committee on Federal Research into the Biological Effects of Ionizing Radiation.

Dr. Robert B. Eckhardt, associate professor of anthropology, has been elected as a Fellow of the Explorers Club. Fellows are chosen on the basis of active participation in exploration or because their scientific achievements have "substantially enlarged the scope of human knowledge." Dr. Eckhardt was recognized for his continuing work in Peru on human evolutionary biology at high altitudes.

Dr. William I. Lindley, assistant professor of agricultural education, has just returned from a one-month UNESCO assignment in Ghana, where he assisted with the revision of the agricultural education curriculum at the University of Cape Coast.

Robert G. Wingard, professor of wildlife management extension, and Dr. Terry D. Rader, associate professor of forest resources extension, are co-authors of *Woodlands and Wildlife*, a 67-page manual published by the College of Agriculture in cooperation with the Pennsylvania Bureau of Forestry and the Pennsylvania Game Commission.

The book covers such topics as planning for wildlife on private property, keeping a nature journal, managing major forest habitats, forest wildlife, farm wildlife and the forest, and trails to wildlife. It also includes a section listing further references and additional readings on related subjects.

Promotions

Staff Exempt

Barbara Homan to assistant housekeeping supervisor, Housing and Food Services.
Janet C. Shank to junior copy editor, University Press.

Staff Non-Exempt

Craig L. Grunberg to laboratory technician, Intercollege Research Programs.

Margaret J. Tournay to nutrition aide supervisor, Agriculture.

Susan B. Witherite to computer operator, Management Services.

Clerical

Nancy Bierly to clerk typist A, Earth and Mineral Sciences.

Bonita F. Floyd to radiology records clerk, Hershey.

Vickie I. Gerontolis to secretary A, Applied Research Laboratory.

Linda C. Heckman to secretary A, Hershey.

Charlotte Joyner, to secretary, Earth and Mineral Sciences.

Jane B. Murphy to accounting clerk, Controller's Office.

Lorna V. Stewart to clerk typist A, Engineering.

Cathy E. Weber to secretary C, Liberal Arts.

Technical Service

Joseph Bublincik to waste water treatment plant operator A, Physical Plant.

James A. Hillard to maintenance worker, utility, Physical Plant.

Randall Kern to lead sheetmetal worker A, Physical Plant.

William E. Smith to maintenance worker area landscaper, Physical Plant.

Jonathan A. Stenson to maintenance worker general C, Physical Plant.

Paul R. Wilson to research machinist, Engineering.

Ira Wright to maintenance worker, utility, Physical Plant.

Retirements

Benjamin F. Neff Jr., a lead painter with the Office of Physical Plant, retired March 8. He had been a member of the staff since Feb. 1, 1953.

Marie L. Kepping, a residence hall worker at Capitol Campus since Sept. 5, 1967, will retire April 12.

Obituaries

Carl O. Dossin, professor emeritus of poultry science extension, died March 23 at the age of 80. A graduate of the University of Connecticut, Mr. Dossin earned a master's degree from North Carolina State College. He joined the University's staff in 1927, retiring in 1965. Mr. Dossin was instrumental in helping make Pennsylvania a national leader in the production of poultry and eggs.

Mildred L. Rader, a research aide in the College of Agriculture since July 2, 1979, died March 24. She was 45 years of age.

Lester E. Strawbridge, a metal shop mechanic at Hershey, died March 23. He was 57. Mr. Strawbridge joined the staff as a custodian in 1967.

S. Jean DeVetter, a receiving clerk in the Libraries, died March 23 at the age of 52. She had been a member of the staff since 1970.

Carpoolers

Persons desiring a listing in INTERCOM should send in their names to Room 312 Old Main and include information on their residence, work location, arrival and departure times, phone numbers at home and work, and whether drivers, riders or both are sought.

Joanne Treaster, Burnham (717-543-5729), works 8 a.m. to 5 p.m. in Burrows (865-2536). Would prefer to share driving but will take riders.

Sullivan

(Continued from page 1)

the End of Time.

Mr. Sullivan was the winner of the George Polk Award for his coverage of the International Geophysical Year. His other awards include the American Institute of Physics/U.S. Steel Foundation Science Writing Award in Physics and Astronomy, the American Chemical Society's James T. Grandy Award and the Science in Society Journalism Award of the National Association of Science Writers. He is a director of the American Polar Society and a Fellow of the Arctic Institute of North America.

A graduate of Yale University he joined the staff of the Times in 1940 as a copy boy. He became a foreign correspondent in 1948 and was assigned to China, Korea and Germany. In 1956, he turned to science writing and has been science editor of the Times since 1964.

The biennial lecture honors the late A. Dixon Johnson, science writer and director of public information at Penn State from 1960 until his death in 1974. It was first held in 1978 and is supported by a fund established by Mr. Johnson's family and friends and by the College of Science Alumni Society.

Collman to talk



Dr. James P. Collman, professor of chemistry at Stanford University, will present the 1980 Frank C. Whitmore Lectures April 7 through 10.

The series of four lectures is sponsored by the Department of Chemistry.

Dr. Collman will present his first three lectures on April 7, 8, and 9 at 8 p.m. and the last on April 10, at 4 p.m. He will speak in Room 333 Whitmore Laboratory.

Topics for the series are "Synthetic Analogues of Oxygen-Binding Hemoproteins," "Site Isolated Catalysts," "Heterogeneous versus Homogeneous Catalysts" and "Multi-Electron Redox Catalysts: A Quest for an Oxygen Fuel Cell Catalyst."

Dr. Collman is an authority on compounds which contain both organic and metallic elements. His recent research includes work with homogeneous catalysts which could be important in areas such as the use of oxygen as fuel and the development of a more efficient means of producing energy from fuel oils. He is also known for his preparation of "picket-fence" iron-oxygen compounds — considered an important step in understanding hemoglobin, the oxygen carrier in blood.

He is a member of the National Academy of Sciences, the American Academy of Arts and Sciences and the British Chemical Society. He was a winner of the American Chemical Society Award in Inorganic Chemistry and was an Alfred B. Sloan Foundation Fellow and a National Science Foundation Postdoctoral Fellow.

Dr. Collman earned his B.S. and M.S. degrees at the University of Nebraska and his doctorate at the University of Illinois.

The Whitmore Lectures, begun in 1976, are named in honor of Frank C. Whitmore, a former dean of Penn State's School of Chemistry and Physics, the forerunner of the College of Science. He was an internationally known organic chemist and a president of the American Chemical Society.

Satellite

(Continued from page 1)

relations; Dr. Robert G. Quinn, dean of academic instruction for Commonwealth Campuses; and J. Arthur Stober, head, radio-television section, Public Information and Relations.

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University Park Calendar

April 3-13

Special Events

Thursday, April 3

FSHA 410, "Evening in the Highland Plantation," Southern style meal, 5:30 p.m., Maple Room, Henderson, Reservations, 863-5721 or 863-7441.

Cinematheque, *Spy Who Came In from the Cold*, 6:30 and 8:30 p.m., HUB Assembly Hall.

*College of Science, Priestley Lecture, 8 p.m., Room 333 Whitmore, J.C. Polanyi, Univ. of Toronto, on "Energy Transfer Processes Studied by a Variety of Methods, Including State-Selected Supersonic Beams."

*Spanish Dept. Lecture, 8 p.m., Room 112 Kern, Jose Martin Recuerdo on "El amor y la muerte en el teatro de Garcia Lorca."

URTC, *The Innates of the Convent of Saint Mary Egyptian*, 8 p.m., The Pavilion Theatre.

Friday, April 4

Sports: track (men), Nittany Lion Relays (decathlon), 3 p.m.; volleyball (men) vs. Springfield, 3 p.m.

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker, Anthony V. Williams and Nancy Murdoch, geography, on "Energy and the Senses."

Commonsplace Theatre, *Lisztomania*, 7 and 9 p.m., Room 112 Kern.

France-Cinema, *Bread and Chocolate*, 7 and 9 p.m., Room 101 Chambers.

Interlandia, folkdancing, 7:30 p.m., HUB Ballroom.

URTC, *The Innates of the Convent of Saint Mary Egyptian*, 8 p.m., The Pavilion Theatre.

Saturday, April 5

Horticulture Dept., Easter flower sale, noon-4 p.m., behind Tyson Bldg.

Sports: track (men), Nittany Lion Relays, 10 a.m.; baseball vs. Rutgers (double header), 1 p.m.; lacrosse (men) vs. Ohio State, 2 p.m.

Commonsplace Theatre, *14th Tournee of Animation*, 7 and 9 p.m., Room 112 Kern.

France-Cinema, *Bread and Chocolate*, 7 and 9 p.m., Room 101 Chambers.

URTC, *The Innates of the Convent of Saint Mary Egyptian*, 8 p.m., The Pavilion Theatre.

Sunday, April 6

University Chapel Service, 11 a.m., Music Bldg. Recital Hall, Chapel Choir Easter Service, Tommie Irwin, director.

Unity Christian Campus Ministries Service, 11:15 a.m., Frizzell Room, Eisenhower Chapel.

Nittany Lion Inn Easter Buffet, noon-2:30 p.m. and 6-8 p.m.

HUB Center, registration for 2nd session classes, noon-5 p.m., daily through April 12; Open House, 7:30-9:30 p.m., Room 312 HUB.

Sports: tennis (men) vs. West Virginia, 1 p.m.; baseball vs. West Chester, 1:30 p.m.

Commonsplace Theatre, *14th Tournee of Animation*, 7 and 9 p.m., Room 112 Kern.

France-Cinema, *Bread and Chocolate*, 7 and 9 p.m., Room 101 Chambers.

Monday, April 7

Shakespeare Film, *Hamlet* (Olivier), 6:30 p.m., Room 101 Chambers.

Commonsplace Theatre, *14th Tournee of Animation*, 7 and 9 p.m., Room 112 Kern.

*College of Science, Frank C. Whitmore Lecture, 8 p.m., Room 333 Whitmore Lab.

James P. Collman, Stanford Univ., on "Synthetic Analogues of Oxygen-Binding Hemoglobins."

Interdisciplinary Symposium on Value, 8 a.m., Room 101 Kern, Robert Adams, philosophy, UCLA, on "Love and Conscientiousness: A Theological Approach."

Peggy Shipley, flute, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, April 8

Comp. Lit. Luncheon, 12:15: talk, 1 p.m., Hotel Sile, lecture, Velemin Gjirin, Yugoslavia, on "The Value of a Translation in Comparison to its Original."

Sports: softball vs. West Chester (double header), 1:30 p.m.

School of Music Common Hour, 4 p.m., Music Bldg. Recital Hall.

Shakespeare Film, *Hamlet* (Olivier), 6:30 p.m., Room 101 Chambers.

Comp. Lit. Film Series, *Kadar, Adriatic*, 7 and 9 p.m., Room 112 Kern.



Women in Communications/School of Journalism Lecture, 7:30 p.m., Room 10 Sparks, Barbara D. Haas, national president of Women in Communications, Inc., and Duquesne Univ., on "Morality in the Media: Who's Watching the Watchdog?"

*College of Science, Whitmore Lecture, 8 p.m., Room 333 Whitmore, James P. Collman on "Site Isolated Catalysts."

URTC, *The Innates of the Convent of Saint Mary Egyptian*, 8 p.m., The Pavilion Theatre.

Wednesday, April 9

Hetzel Union Bldg./ARHS, Stereo Expo '80, through April 10, HUB.

France-Cinema, *The Stranger*, 7 and 9 p.m., Room 112 Kern.

Sports: lacrosse (men) vs. Franklin and Marshall, 7 p.m.; volleyball (men) vs. East Stroudsburg, 7 p.m.

*College of Science, Whitmore Lecture, 8 p.m., Room 333 Whitmore, James P. Collman on "Heterogeneous versus Homogeneous Catalysts."

*IAHS/School of Journalism, History of Photography Lecture, 8 p.m., Room 101 Kern, H.K. Henisch, physics and history of photography, on "Nineteenth Century Masters."

Shakespeare Film, *Henry IV Part 2* (BBC), 8 p.m., Room 304 Boucke.

URTC, *The Innates of the Convent of Saint Mary Egyptian*, 8 p.m., The Pavilion Theatre.

Jill Olson, piano, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, April 10

*College of Science, Whitmore Lecture, 4 p.m., Room 333 Whitmore, James P. Collman on "Multi-Element Redox Catalysts: A Quest for an Oxygen Fuel Cell Catalyst."

Spring Serenade Special Dinner, 4:45-6:45 p.m., HUB Terrace Room.

Cinematheque, Herbert Ross, *Goodbye Mr. Chips*, 8:30 and 9 p.m., HUB Assembly Hall.

Political Science, LASC, Dr. Mercedes Fernin, former Venezuelan senator, on "Women in Latin American Society and Politics," 7:30 p.m., Room 109 Walker.

*College of Science/Alumni Society, A. Dixon Johnson Memorial Lecture in Science Communication, 8 p.m., Room 103 Forum. Walter Sullivan, science editor, *The New York Times*, on "Communicating Science to the Public."

URTC, *The Innates of the Convent of Saint Mary Egyptian*, 8 p.m., The Pavilion Theatre.

Artists Series, Ira Levin, *Deathtrap*, 8:30 p.m., Eisenhower Auditorium.

Friday, April 11

*Public Seminar Celebrating the 25th Anniversary of PSU's Nuclear Reactor, 3 p.m., Keller Auditorium. Dr. John W. Oswald, Dr. Eric A. Walker, Dr. Henry Gomberg and Dr. Bert Wolfe on "Contributions of Research Reactors to Education, Industry and Safety."

Spring Serenade Special Dinner, 4:45-6:45 p.m., HUB Terrace Room.

Interlandia, folkdancing, 7:30 p.m., HUB Ballroom.

URTC, *The Innates of the Convent of Saint Mary Egyptian*, 8 p.m., The Pavilion Theatre.

Penn State Jazz Big Band, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, April 12

Robeson Cultural Center, bus trip to Washington, D.C., through April 13. Information, 865-1779.

*Breakeast Nuclear Reactor Open House. Tours from 10 a.m. to 2 p.m.

Spring Dairy and Livestock Judging Contest, 10 a.m.-3 p.m., University Dairy and Beef/Sheep Center.

*College of Earth and Mineral Sciences, 1980 Earth and Man Exposition, Open House, 1-5 p.m.

Sports: baseball vs. George Washington (double header), 1 p.m.; lacrosse (women) vs. Utrinus, 2 p.m.

France-Cinema, *Two English Girls*, 7 and 9 p.m., Room 101 Kern.

URTC, *The Innates of the Convent of Saint Mary Egyptian*, 8 p.m., The Pavilion Theatre.

Penn State Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sunday, April 13

University Chapel Service, 11 a.m., Eisenhower Chapel. Ecumenical Student Workshop Service.

Unity Christian Campus Ministries Service, 11:15 a.m., Frizzell Room, Eisenhower Chapel.

*College of Earth and Mineral Sciences, Open House, 1-5 p.m.

Sports: baseball vs. Rider (double header) 1 p.m.

Opening reception for Diane Pepe exhibit, 3-5 p.m., Museum of Art.

Penn State Women's Choir and Penn State Singers, Kimberly Wolfe, director, 3:30 p.m., Music Bldg. Recital Hall.

Commonsplace Theatre, *The Last Wave*, 7 and 9 p.m., Room 101 Kern.

HUB Mini Concert, Johnston Bros., country rock/country swing, 9 p.m., HUB Ballroom.

Seminars

Thursday, April 3

Geosciences, Bruce D. Marsh, Johns Hopkins Univ., on "Petroleum and Mechanics of Island Arc Volcanism," 3:45 p.m., Room 26 Mineral Sciences (new listing).

Meteorology, Chris Gibbons, Appleton Lab., England, on "Millimeter Waves Probe the Atmosphere," 3:55 p.m., Room 112 Walker (new listing).

Astronomy, Andrew Bernat, Kitt Peak National Observatory, on "Observational Studies of Mass Loss from Red Giants," 4 p.m., Room 445 Davey (new listing).

Ag. Eng., Howard D. Bartlett and Sverker Persson, ag. eng., on "Biogas Generation and Use for Livestock Farms," 4 p.m., Room 248 Ag. Eng. (new listing).

Aesthetics, and Interpretation Theory Group, Leonard Rubinstein, English, on "Art: The Mysterious Means," 4:30 p.m., Hotel State College (new listing).

Friday, April 4

Physics, Mark J. Cardillo, Bell Telephone Labs, on "More on Fraction of Helium Atoms at Semiconductor Surfaces," 11 a.m., Room 339 Davey.

Anal. Chem., William Chan on "Microprocessor Automation of Scientific

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, a telephone 863-1200.

Instruments," 11:10 a.m., Room 333 Whitmore.

Nuclear Engineering, Richard Wilson, Harvard Univ., on "Nuclear Risks," 2:30 p.m., Room 209 Willard.

Physical Chemistry, Kirk Veis on "Optical-Optical Double Resonance Spectroscopy of Li²⁺," 2:30 p.m., Room 333 Whitmore.

Tuesday, April 8

Plant Pathology, Vernon Elliott, grad. student, on "The Role of Microflora in Seed-Borne Diseases," 9:45 a.m., Room 213 Buckhout.

Geosciences, John Fern, geology, Univ. of Kentucky, on "The Shape of Coal Beds," 3:45 p.m., Room 26 Mineral Sciences.

Biology, Stanwyb Sheldy, botany, Smithsonian Institution, on "Variation and Evolution of the Nearctic Harebells," 4 p.m., Room 8 Mueller Lab.

American Society of Metals, F.R. Matson, archaeology emeritus, on "Archaeo-Metallurgy: Problems from the Archaeologist," 7:30 p.m., Room 301 Seidle.

Thursday, April 10

Chemistry, George Hammond, Allied Chemicals, Morrisown, on "A Search for Useful Photochemicals," 12:45 p.m., Room 333 Whitmore.

Economics/Institute for Policy Research and Evaluation, Burton Weisbrod, Univ. of Wisconsin, speaker.

Physics, Jerry Wolken, biological sciences, Carnegie-Mellon, on "Biological Structures and Liquid Crystalline Systems," 3:30 p.m., Room 445 Davey.

Acoustics, Gordon R. Bienenwe and Robert D. Cerner, environmental acoustics lab, on "Digital Processing of Speech Materials in the Study of Sensorineural Hearing Impairment," 4 p.m., Room 75 Willard.

Philosophy, Gordon Fleming, physics, on "Philosophical Problems of Contemporary Physics," 4 p.m., Room 101 Kern.

Meteorology, James M. Russell, NASA-A Langley Research Center, on "Satellite Sounding of the Atmosphere by Limb Emission and Occultation," 3:55 p.m., Room 112 Walker.

Fuel Science, Harold Beutner, Gulf Research and Development, on "Synthetic Fuels," 4 p.m., Room 301 Seidle.

Friday, April 11

Analytical Chemistry, Steve Ankabard, grad. student, on "Electrochemistry of Sulfur Species in Coal Process Streams," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Gary Pruett, Univ. of Pennsylvania, on "State Resolved Reaction Dynamics in Molecular Beams," 2:30 p.m., Room 333 Whitmore.

Exhibits

Chambers Gallery: William Bradley, sculpture and drawings; ceramics by senior Fine Arts Students, opens April 7.

HUB Galleries: master works from the National Class Conference, through April 12; Henry O. Tanner and Horace Pippin, paintings, opens April 13. The Gallery, Bruce Johnson, watercolors and prints, Browning Gallery, "Slavic Folk Arts Festival exhibit, Art Gallery.

Kern Gallery: Chen Chih Ming, ink drawings, through April 13; Ukrainian Club Easter display, through April 12; David Rubello, photographs and paintings, opens April 5; glass works, opens April 7; Laveta Buter, ceramics, opens April 11.

Museum of Art: Pennsylvania prints from the collection of John O'Connor and Ralph M. Yeager, through April 13; aspects of representation after World War II - works from the permanent collection; Chinese export porcelains from the collection of Dr. and Mrs. Harold L. Tonkin; recent works on paper by Diane Pepe, opens April 13.

Pattee Library: Rome Hanks, Mary Edith Miller and Patricia Wall, photographs, East Corridor Gallery, Soft Copy, works by Virginia Taylor and Christine Skyles, Lending Services Lobby, Mitchell Weiss, ceramics, Main Lobby.

Robeson Cultural Center: Francis Couch, paintings, through April 3.

Visual Arts Bldg. Zoller Gallery: National Class Conference exhibit, through April 13.

*Asterisk indicates event tied in with Penn State's 125th anniversary year.

News in Brief

(Continued from page 1)

au jus, seafood newburg, baked ham with brandy sauce, coq au vin, steamed shrimp in the shell, and baked kielbasa and sauerkraut. A wide array of salads, cheeses and desserts will also be available.

As an added attraction, evening patrons may register for a door prize — two free dinner-theatre tickets for the April 10 Artist Series offering of *Deathtrap*. The price of the buffet is \$8.95; \$4.80 for children under 12.

Schumann work chosen for Olson piano recital

Schumann's "Faschingsschwank aus Wien," opus 26, and works by Messiaen and Ravel have been selected for a recital by Jill Olson, pianist, at 8:30 p.m. Wednesday, April 9, in the Music Building Recital Hall.

The Schumann piece, which in translation means "Carnival Jest from Vienna," is a five-movement work. Ms. Olson has also chosen three pieces from "Vingt Regards sur l'Enfant-Jésus" — "Regard de l'étoile," "Regard de la Vierge" and "Regard des prophètes, des bergers et des Mages" by contemporary French composer Olivier Messiaen. The final selection on her program, Maurice Ravel's "Le Tombeau de Couperin," is a multi-movement work written in homage to French baroque composer François Couperin.

Ms. Olson, an instructor in the School of Music, received her M. Mus. degree from the University of Wisconsin at Madison and her B.A. from Colorado College, where she was a member of Phi Beta Kappa.

Hetzel, Walker names sought

The University is seeking nominations of outstanding seniors for two prestigious annual prizes: The Ralph Dorn Hetzel Memorial Award and The Eric A. Walker Award.

Nomination forms are available at the offices of the deans of the colleges, at the HUB Desk and in Room 235 Boucke Building. The forms should be returned to the Office of the Vice President for Student Affairs, Room 235 Boucke, by April 11.

The Hetzel Award recognizes the achievements and potential of outstanding seniors who have demonstrated the qualities of responsible leadership during their college careers and give promise of public spirited achievement in the future. University seniors who have shown outstanding academic achievement and have demonstrated leadership in University or other public activities are eligible.

The Walker Award recognizes a senior whose activities and achievements have enhanced the public esteem and renown of the University. The award is presented during the Spring Term commencement, though the student may have graduated during the preceding Summer, Fall or Winter terms.

Any member of the University community may submit nominations for the Walker and Hetzel awards.

W-4E reminder

The Controller's Office wishes to remind those employees who filed a Withholding Exemption Certificate — Form W-4E — for 1979 that this certificate will expire April 30, 1980, for taxpayers on a calendar year basis. The exemption claimed on Form W-4E must be renewed annually.

If you qualify and wish to continue your exemption, or if you are applying for the first time, you must file a new Form W-4E for 1980. You may claim the exemption from withholding if you had no income tax liability for 1979 and if you anticipate no income tax liability for 1980. Forms are available from the Payroll Department, Room 301 Old Main (865-2501).

In general the elimination of the withholding applies only to those working part-time. The principal advantage is that it will eliminate the need to file an income tax return at the end of the year to obtain a refund of money withheld.

EMEX '80 open house to be held April 12-13

The 1980 Earth and Man Exposition — EMEX '80, the biennial open house in Earth and Mineral Sciences, will be held Saturday and Sunday, April 12-13.

Special exhibits, demonstrations, films and many laboratories will be on view in the College's four buildings from 1 to 5 p.m. on each of the two days.

Visitors can begin their self-guided tours in the lobby of either Steidle, Deike, or Walker Buildings. Programs will be distributed in each of these lobbies, and student hosts will be on hand to provide help.

A highlight of the open house will be the weather observatory of the Department of Meteorology on the sixth floor of Walker Building. The use of a computer that can record weather data directly from the radar, store it, and then display it on a TV screen will be demonstrated. Also there will be exhibits on acid rain, severe storms and the preparation of weather forecasts, and a display of three-dimensional cloud pictures.

The open house will feature glassblowing by the College's scientific glassblower, John Daly; gem polishing by students in the lapidary laboratory; and demonstrations of the electron microprobe analyzer, the scanning electron microscope, computerized mapmaking, various metallurgical forging and casting processes, the operation of the Pennsylvania seismic network, mineral processing methods of cleaning up oil spills, waterflooding to increase oil well production, and thin-section identification of rocks and minerals.

Among the laboratories that will be open are those where research in rock mechanics, mine ventilation, and the solvent extraction of minerals from their ores is carried on.

Further information about EMEX '80 may be obtained from the Dean's Office, College of Earth and Mineral Sciences, Room 116 Deike Building.

Movement skills class registration April 8

A program of basic movement skills, educational gymnastics and games for children in kindergarten through third grade will be held Tuesdays, 4 p.m. to 5 p.m., April 8 through May 13 in Room 133 White Building.

Registration for the program, sponsored by the College of Health, Physical Education and Recreation, will be held April 8 at 3:45 p.m. in the White Building Lobby.

Campus Relations will arrange London Bus Tours

Faculty and staff members may arrange special tours for campus visitors — or take a ride themselves — on the London Double Decker Bus during Spring and Summer terms.

Tickets for the bus, which leaves from the HUB at 1:30 and 2:30 p.m. on weekdays, are 25 cents apiece and may be purchased at the HUB Desk. During the 35-minute ride, trained University guides provide commentary.

Special tours will be arranged through the Campus Relations Office, Room 301 Old Main (865-2501).

AV collection in new "Index"

A portion of Penn State's *Encyclopedia Cinematographica* film collection at Audio Visual Services has been recognized by inclusion in the recently published *Craft Films: An Index of International Films on Crafts*, a 156-page book which lists some

260 EC titles among its nearly 1,000 entries.

Audio Visual Services is the sole U.S. archive and distributor of the *Encyclopedia Cinematographica*, a scholarly international collection of 16mm films dealing with the biological sciences, technology, and cultural anthropology. The anthropological connection to crafts was noted in the *Craft Films* preface by editor Kay Salzs.

"It seemed valuable to see crafts in some context in order to show how they were and often still are a part of a total culture. In this vein, ethnographic films comprise part of the *Index*. Often made by anthropologists in the field, these films are generally short, often silent records of people performing a single craft, such as weaving or boat building, that is integral to their way of life."

Among other activities captured on film for the EC collection and included by Ms. Salzs in her compilation are bread baking, brass and silver founding, carving, decorating, forging, plating, and the making of pottery, musical instruments, weapons, ritual objects, tools, adornments, clothing, and furnishings.

Each film in the EC collection depicts a single phenomenon or type of behavior, and the films are so arranged as to facilitate comparisons of cultural similarities and differences among a number of peoples. Scholars at the University may have access to the collection at no cost. Audio Visual Services will provide both the screening facilities and the films upon request for research purposes.

Craft Films, hailed by reviewers as the first resource of its kind for the growing body of films about crafts, was supported by a grant from the National Endowment for the Arts and published by Neal-Schuman Publishers, Inc., under the

auspices of New York State Craftsman, sponsor of the International Craft Film Festival.

Health educator to give multimedia presentation

Dr. Larry K. Olsen, internationally known health educator, will be a Spring Term Colloquia speaker for the College of Health, Physical Education and Recreation on Wednesday, April 16.

He will conduct a multimedia presentation on the "School Health Curriculum Project in Saudi Arabia and the United States" at 8 p.m. in Room 101 Chambers. His presentation is open to all interested persons.

An associate professor and chairman of health science at Arizona State University, Dr. Olsen holds a B.S. in health and physical education and an M.A. in education from Lewis and Clark College. He earned his M.P.H. in health education at UC-Berkeley and his D.P.H. from UCLA.

FACTS brochures available

The 1980 FACTS brochures, containing up-to-date pocket-size format Penn State in handy, pocket-size form, are available in quantity from the Campus Relations Office, Room 301 Old Main (865-2501).

How to hold Easter flower sale

The Horticulture Department will hold an Easter flower sale from noon to 4 p.m. on Saturday, April 5, behind Tyson Building. The sale will feature lilies, begonias, daffodils, hyacinths and foliage.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 479-1387). Applications for staff vacancies will be accepted until 5 p.m., April 10, 1980. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

Applications for staff vacancies are considered, in accordance with Staff Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ASSISTANT FINANCIAL OFFICER, Capital Campus. Responsible to the Financial Officer for various financial and administrative matters which include performing accounting duties on grants and gifts, preparing monthly accounting reports, maintaining wage-payroll records, assisting in drafting policies and procedures affecting the Financial Office and preparing periodic reports for local tax authorities. B.S. or its equivalent in accounting or closely related field plus one to two years of effective experience.

SECOND DRAFTER, ELECTRO-MECHANICAL, APPLIED RESEARCH LABORATORY, University Park. Responsible to the Supervisor, Design and Drafting, for the accurate performance of a wide variety of drafting operations, layout and design work on all types of drawings for electronic, electro-mechanical, hydraulic and acoustic equipment and devices connected with any project assigned. Prepare sketch drawings, formal drawings, detail drawings, schematic diagrams and cable templates in accordance with established drafting practice. Translate schematics and space limitation requirements into complete layouts for "packaging" of electronic circuits. Present formats and requirements of proper engineering documentation of ARL staff. Assist in orientation of new employees. Assist in the preparation of drafting and design manuals. Associate's degree or its equivalent in electro-mechanical drafting plus two to three years of effective experience.

FOREMAN, CENTRAL PROCESSING, COLLEGE OF MEDICINE, Hershey. Responsible for the supervision and assignment of duties to Central Processing Group Leader, Senior Instrument Processing Aides and Central Processing Aides working the evening shift. Coordinate work flow between day and evening shifts and evening and night shifts. High school graduate or equivalency with 2-3 years of

effective experience. Knowledge of sterile procedures is desirable.

JUNIOR DRAFTER, ELECTRO-MECHANICAL, APPLIED RESEARCH LABORATORY, University Park. Responsible to the Supervisor, Design and Drafting, for accurate performance of a variety of drafting operations on all types of drawings for electronic, electro-mechanical, hydraulic and acoustic equipment and devices. Prepare sketch drawings, formal drawings, detail drawings, schematic diagrams and cable templates in accordance with established drafting practice. Associate's degree or its equivalent in electro-mechanical drafting plus six to nine months of effective experience.

LIBRARY ASSISTANT, Worthington Sereno Campus. Responsible to the Campus Librarian for assistance in all phases of library operations, including supervising part-time personnel, overseeing circulation, reserve, interlibrary loan and book order procedures; assisting students and faculty with reference needs; processing library skills workbooks; maintaining periodicals collection; preparing reports and operating the library in the absence of the librarian. Two years of college desirable and one year of effective experience in library work.

MANAGER OF PERSONNEL/COLLEGE OF AGRICULTURE, University Park. Responsible for planning, developing, implementing and administering a variety of personnel functions such as employment procedures, wage and salary administration, employee and labor relations, training programs, overall administration and interpretation of labor agreements and other University personnel policies, personnel records administration, performance appraisals, etc. work closely with the Department of Personnel Services — Employee Relations on all pertinent matters and function as a personnel representative for the College of Agriculture according to the duties as defined in The Pennsylvania State University Policy Manual. Conduct complaint meetings or formal grievance hearings as required; develop answers to grievances and prepare complete report of meetings. Responsible for development and maintenance of non-academic college personnel records through the use of data processing medium. Ensure College's implementation and compliance with University and federal affirmative action policies and procedures. Consult on, interpret, and disseminate policy information; identify problem areas; provide data for goals and timetables. Maintain effective internal auditing and recording systems for necessary report data. Bachelor's degree or equivalent plus four to five years of effective experience in personnel administration of which two to three years have been within a university personnel system. Master's degree preferred. Knowledge of data processing routines and systems is highly desirable.

Penn State Intercom

The Challenge of the '80s

The role of the Graduate School in the '80s cannot be separated from the future of the University as a whole, according to Graduate Dean James B. Bartoo.

Foremost among Dean Bartoo's



Dean Bartoo

concerns for Penn State in the new decade is the problem of inadequate financial support. To illustrate the slippage, he calls attention to the following section from a recent American Council on Education report:

"The developing institutions program, which recently has come under criticism in Congress and by the General Accounting Office, would be renamed the program to aid institutions with special needs, defined as those having low average general and education expenditures per student, low percentage cost of instruction, and a substantial ratio of students receiving need-based student aid."

"We certainly don't think of Penn State as a 'developing institution,'" Dean Bartoo says; "but if you analyze those criteria, we fit each of them. The increasing erosion of the State's financial undergirding of this institution is a very serious problem."

"While we hope to make up for some of the loss by approaching private sources, we cannot ignore the fact that this country is currently undergoing a tremendous redistribution of wealth. Many private foundations are having financial difficulties. In addition, the government has shifted its funding of higher education by allotting much of its support directly to the students."

Dean Bartoo also expresses concern about faculty leadership at the University: "No university can advance without a faculty that is dedicated to scholarship, both for themselves and for their students. This is a very delicate balance to maintain, and I think we are seeing some erosion in scholarly dedication."

"Some faculty members are more sensitive to scholarship for themselves than for their students. On the other hand, pressures at the Commonwealth Campuses may lead faculty members there to place more emphasis on teaching — i.e., scholarship for students."

"A question at the March Senate meeting seems to me to illustrate what's been happening to the University. One of the senators, during a discussion of the University Scholars Program, asked how funding for courses to be offered in the program would be obtained."

"I would argue that 10 or 15 years ago if we talked about a program as near and dear to the hearts of the faculty as a scholars program, the question of cost would never have been raised. Faculty members would simply have considered the preparation and teaching of such courses part of their primary educational

(Continued on page 6)

Implementing legislation for the Scholars Program passed in Senate

The University Scholars Program came into being officially last week with the passage of enabling legislation by the Senate at its April 1 meeting.

After some discussion, during which senators sought reassurances that existing honors programs would be able to continue to admit students, the Senate accepted implementing legislation proposed by its Committees on Curricular Affairs and Undergraduate Instruction.

Senators also approved legislation to do away with zero credit courses and approved a Planning and Development Committee proposal that the Committee monitor the process of development and application of costing methods.

Informational reports were presented by the Subcommittee on Athletic Standards, the Committee on Committees and Rules, the Libraries Committee, and the Committee on Planning and Budget. Dr. Robert E. Dunham, vice president for undergraduate studies, gave an oral report on a March 13-14 conference, The Freshman Year: Creating a Staying Environment. (See below.)

The meeting concluded with a forensic session, requested by Dr. Rustum Roy, director of the Materials Research

Laboratory, to discuss the implications of a memorandum from the Chicago office of the Department of Energy banning "any communication with the Soviets."

President Oswald told the Senate that after seeing the memorandum he had contacted the Association of American Universities (AAU) and the National Association of State Universities and Land-Grant Colleges (NASULGC) to bring the matter to the attention of the Secretary of Energy. DOE subsequently disavowed the letter.

Dr. Oswald noted that in such matters of national concern, Penn State seeks both to express its own views and to act in unison with its sister research and land-grant universities.

Replying to questions, University Scholars Program Director Paul Axt told senators that he had contacted each of the 13 departments in the University currently sponsoring honors programs. These departments, he said, are free to continue their programs and, if they choose, to nominate their students for the Scholars Program on completion of the sophomore year.

In response to other concerns expressed

(Continued on page 5)

'Staying Environment' discussed

The creation of a "Staying Environment" was the subject of a report to the Senate by Dr. Robert E. Dunham, vice president for undergraduate studies. That division had sponsored a March 13-14 conference on The Freshman Year: Creating a Staying Environment.

Dr. Dunham noted that Penn State graduates 60 percent of the students who begin as freshmen at the University — a figure 10 percent higher than the national average. At the same time, the University loses 18 percent of its freshmen, 10 percent of its sophomores, 7 percent of its juniors and 5 percent of its seniors.

"Determining an acceptable drop-out rate for an institution like Penn State is a very difficult task," Dr. Dunham said. In 1964, for example, 66 percent of the entering freshmen graduated in five years. This compares with a high of 72 percent for the class of 1965 and a low of 56 percent for the classes of 1971 and 1972.

"I'm concerned that intellectually able

students drop out of Penn State," Dr. Dunham said, citing figures showing that in the Class of '75 62 percent of those dropping out had college GPA's of 2.0 or better and that 26 percent of the students lost had been admitted in Categories 1, 2 and 3.

Freshman attrition varies from campus to campus and college to college, according to Dr. Dunham. From 1978 to 1979, Altoona and Hazleton had the lowest attrition rates — 14 percent; York had the highest — 28 percent.

Among the colleges, CBA had the lowest — 5 percent, followed by Engineering, Human Development and Science with 7 percent. The highest was Health, Physical Education and Recreation — 14 percent.

The percentage of freshmen failing to reenroll in 1979 totalled 9 percent at University Park, 16 percent system-wide.

During the Conference, small groups

(Continued on page 5)

News in Brief

Performance Objectives workshop offered by UDIS

The University Division of Instructional Services (UDIS) is sponsoring a two-hour orientation workshop on Performance Objectives at 1:30 p.m. Wednesday, April 16, in Room 128 Mitchell Building.

The workshop will be conducted by Robert Griffin, instructional specialist in the College of Business Administration.

Participants in the workshop will be introduced to the use of performance objectives and how to write them. They will have an opportunity to examine student behaviors by learning domains (cognitive, affective, and psychomotor) and to practice writing objectives.

The workshop is limited to 35 participants on a first-come basis. Persons desiring reservations or additional information should call the Office of the Director, UDIS, at 865-7675.

Wisconsin biochemist to offer Barron Lecture

Dr. Hector DeLuca, a University of Wisconsin biochemist, will present the 1980 George Barron Memorial Lecture at 4 p.m. Thursday, April 24, in Room S-209

Henderson Human Development Building. Dr. DeLuca will discuss current aspects of his work in vitamin D metabolism.

Sponsored by the Nutrition Program faculty, the lecture pays tribute to Dr. Barron and the leadership he provided as head of the former Department of Foods and Nutrition in the College of Home Economics, the forerunner of the College of Human Development, from 1963-68.

Dr. Barron, who subsequently had served as assistant to the Vice President for Research and Graduate Studies and as director of the Pesticide Research Laboratory and Graduate Study Center, died in a fire at his Ferguson Township home in December. He had retired from the University on April 1, 1979, as professor emeritus of nutrition and food safety.

Journalism to sponsor minority journalists conference

The School of Journalism will conduct a minority journalists conference this summer, from July 28 to Aug. 1. The program is designed for early- to mid-career journalists who want to explore ways to get ahead in the field.

According to Dr. Robert O. Blanchard, director of the School of Journalism, the conference is the first to be offered

(Continued on page 6)



PIPING IN SPRING — Tortoise at base of sundial in front of Old Main seems pleased for a diversion from his labor of carrying the world on his shoulders.

Penn Staters

Dr. S. V. Martorana, professor of education and research associate at the Center for the Study of Higher Education, has won the Annual Distinguished Service Award of the Council of College and University Professors of Community College Education. The award recognizes outstanding service to the advancement of community and junior colleges through research and scholarship activity and through advising graduate students who later receive special recognition.

Dr. Carolyn Wood Sherif, professor of psychology, delivered the invited plenary address at the 51st annual meeting of the Eastern Psychological Association on April 19 in Hartford, Conn. Her talk was entitled "Social categorization and the self involved in social interaction."

Two drawings by Dr. Richard Hamwi, instructor in art, were recently acquired by the National Collection of Fine Arts at the Smithsonian Institution. In addition, an exhibition of his drawings is being held through April 25 at CUNY-College of Staten Island.

Glenn R. Kean, professor of animal science, has been selected to judge the American Cured Meat Championships in Dallas, Texas, Aug. 10-13. He was selected because of his nationally acknowledged expertise in processing techniques and quality control, according to Robert L. Madeira, executive director of the American Association of Meat Processors, sponsor of the event.

Donald V. Joyce, an instructor in the Department of Recreation and Parks, has been presented the 1980 honor award of the Pennsylvania Recreation and Parks Society. It is the Society's highest award.

Dr. Patrick D. Lynch, professor of education, was recently elected vice president for educational administration of the American Educational Research Association.

Dr. B. Lakshminarayana, professor of aerospace engineering, participated in a two-day review of the Computational Fluid Mechanics Program at Lewis Research Center in Cleveland, Ohio, March 26-27. Approximately 16 experts in computational fluid mechanics and turbomachinery from universities, industry and government were invited to critique the program, identifying current and future needs.

Dr. Samuel H. Levine, professor of nuclear engineering and director of the Breazeale Nuclear Reactor, was invited to present a series of lectures on "In-Core Fuel Management" for a course in "Operational Physics of Power Reactors," held at the International Center for Theoretical Physics in Trieste, Italy. Dr. Levine lectured for the two-week period March 17-28, and he was appointed the scientific director for one week of the course.

Bookshelf

Dr. C. Conrad Cherry, professor of religious studies and American studies, has written a new book examining the fascination with nature that permeated American religious thought in the 18th and early 19th centuries. It is entitled *Nature and Religious Imagination: From Edwards to Bushnell*, and was published by Fortress Press of Philadelphia.

Against the background of social and intellectual change that existed in Europe and America during those years, Dr. Cherry analyzes the works of prominent New England religious thinkers. Among them are Jonathan Edwards, Samuel Hopkins, Lyman Beecher, William Ellery Channing and Horace Bushnell.

The thesis of his book is that a symbolic response to nature appeared in the thought of Jonathan Edwards, declined during a period of religious legalism, and then was renewed in the religious romanticism of Horace Bushnell. The tension between nature's symbolism and legalism has come to characterize much of American Protestantism, he concludes.

Dr. Cherry is senior editor of the Studies in Religion Monograph Series of the American Academy of Religion. He is the author of *The Theology of Jonathan Edwards: A Reappraisal*, (Doubleday, 1966) and *God's New Israel: Religious Interpretations of American Destiny*, (Prentice Hall, 1971).

Dr. Frederick A. Hussey, assistant professor of administration of justice, is principal author of *Probation, Parole and Community Field Services: Policy, Structure, and Process*, an introductory level college textbook published recently by Harper & Row. His co-author is David E. Duffee of SUNY-Albany, a former Penn State faculty member.

The 350-page work describes the roles, values, goals, practices and problems of probation, parole and community corrections, with an emphasis on the fundamental and critical issues and ideas in the field.

The book is broken roughly into two main parts. Chapters 1-6 provide basic descriptive information concerning offenders, the processes and structures of criminal justice, sentencing, and the historical development of probation, parole and other community field services.

Chapters 7-14 are more varied in tone and content than the first six and address the problems and practices of criminal justice. In the latter half, the authors go beyond an overview and delve into the intricacies of correctional field work, such as present investigations, common therapy and counseling techniques, and the factors that influence offenders' attitudes and behaviors toward correctional agencies and officials.

Dr. John J. Coyle, professor and head of the Department of Business Logistics, is the co-author of *The Management of Business Logistics*, 2nd edition, published on April 1 by West Publishing Company. This new edition is an extensive revision of the text originally published in 1976. The book is intended as an introductory text and also as a reference for the professional logistics manager.

In economic terms, logistical activities in U.S. business organizations are the third largest cost center; in 1979, U.S. companies spent approximately \$400 billion in the logistics area. The growing importance of the logistics function has provided an increasing number of employment opportunities for students graduating from business schools with majors in logistics. Penn State has one of the largest programs in the United States in terms of students and full-time faculty.

Martin J. Naparstek, public information officer at the Wilkes-Barre Campus, is the author of *War Song*, a novel about the Vietnam War, published in March by Leisure Books, a division of Tower Publications. The 206-page book is set in Vietnam in the mid-1960s, during the height of the American involvement.

The novel focuses on three young American soldiers who are drafted and sent to Vietnam. The main character, Michael Cool, is a lonely, dejected man, unable to fit into either civilian or military life. The other principal characters in the 70,000-word novel include Joe Fernandez, a brutal, hostile misfit; George Steubens, an amiable farm boy, and En, a Vietnamese woman with whom Cool has an affair.

Mr. Naparstek served in Vietnam with the U.S. Army Signal Corps during the same period in which the novel is set. Like the characters in the book, he was assigned to Phu Lam, a communications base south of Saigon.



Dr. Marjorie East, professor and former head of the Department of Home Economics Education, retired with emerita rank from the University on April 1, after 22 years of service.

Dr. East came to Penn State in 1958 as professor and head of home economics education in the former College of Home Economics. She continued in that post from 1967, when the department was moved to the College of Education, to 1976. She served as acting head of the Division of Occupational and Vocational Studies during 1976-77.

Under Dr. East's leadership, the graduate program in home economics education became the nation's largest, with some 20 doctoral candidates currently in residence, and is often cited as the nation's best.

The author of numerous scholarly and professional articles, she also has written four books. Her most recent, *Home Economics: Past, Present and Future*, was published last August by Allyn and Bacon, Inc. Designed for graduate students and professionals, the book covers the role of the professional home economist; the discipline's evolution; curricula; special problems confronting the professional; and alternative paths to the discipline's future.

Her other books include *Fashion Your Own* (1963), *Fashion and Fabrics* (1962) and *Display for Learning* (1952).

Dr. East was a member of the University Faculty Senate from 1958-79; she served on its Faculty Affairs Committee from 1959-75, holding chairmanships from 1968-70 and 1973-74. Additional service to the University included membership on Faculty Club committees from 1969-79, including the presidency of the Faculty Club from 1977-79. She served on the University Review Committee on Promotion and Tenure from 1975-77, and was committee chairman during 1976-77.

In addition to memberships in many professional and honorary societies, she chaired the accreditation committee of the American Home Economics Association from 1967-69, and was president of the Association in 1972-73. She was a director of Consumers Union from 1960-75 and president of the American Council of Consumer Interests in 1955-56.

She earned her B.A. at San Jose State College and the M.A. and D.Ed. degrees from Teachers College, Columbia University.

Dr. East plans to remain in State College during part of every year, working on historical research and writing.

Obituary

Sayers J. Miller Jr., assistant professor of health education, died April 4. He was 49. Prof. Miller earned bachelor's and master's degrees at Purdue University and received a certificate of physical therapy from the University of Pennsylvania. He came to Penn State in 1974 and was coordinator of the area of emphasis in a athletic training for undergraduates. He was trainer for the varsity basketball team and was a trainer for the U.S. Olympic Team at the recent Lake Placid Winter Games.

Elsewhere in Academe

The cost of a college education is rapidly approaching the \$10,000-a-year mark in some quarters. According to the Chronicle of Higher Education, double-digit increases in prices for tuition, room and board will be common next Fall, with the average boost close to 13 percent.

A student at Yale next year will face bills of at least \$9,110 — up 12 percent from this year's level; of that total, \$6,120 will go for tuition. Northwestern University in Evanston, Ill., will charge \$5,985 next year for tuition alone — a 10.5 percent increase over this year. Students at the University of Notre Dame will pay \$6,490 for tuition in 1980-81 — a 14 percent boost.

Despite rising tuition, admissions officials at most New England colleges say they have received more applications this year than last. Applications for September's freshman class rose this year at more than 75 percent of the region's colleges, according to an informal survey published March 30 by the Boston Sunday Globe. Of 31 institutions polled, only seven schools — including Dartmouth University — reported receiving fewer applications.

Colorado lawmakers are seriously considering the use of "vouchers" to finance higher education. The chairman of the education committee of the state's house of representatives says he will lead an effort to get a voucher system adopted via statewide referendum in 1982. A voucher system would supplant legislative appropriations; instead, financial support would be based on the number of students enrolled in a particular institution.

A U.S. House panel has approved a measure — HR 6522 — that would assign individual spending ceilings for the first time to each of the 11 National Institutes of Health, despite opposition to the plan from academic researchers. At present, only the National Cancer Institute and the National Heart, Lung, and Blood Institute have spending ceilings established by law. Appropriations for the other institutes are determined by annual requests from the administration, subject to approval by Congressional appropriations committees.

Campus Update

Hershey Medical Center's hospital auditorium will be the setting for *The Lint*, a one-act play about the relationship between a nurse, surgeon and their dying patient, at 8 p.m. tomorrow evening. The playwright is third-year medical student Theodore Falton.

Dr. Joanne V. Trautman, professor of humanities and director of the College of Medicine's Center for Humanistic Medicine (CHM), says that "this is the first event sponsored by CHM which is open to the general public. We are really excited about its quality and the fact that it is a total Medical Center production."

Dr. Trautman is the producer, and the play was cast and is directed by Dr. Barry Kauffman, assistant professor of medicine (neurology). The cast consists of two third-year medical students and a first-year physician's assistant student.

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Ex-CIA head, Nobel Laureate, art historian to speak

Colloquy to bring Colby

William E. Colby, former director of the CIA and author of *Honorable Men — My Life in the CIA*, will speak at the University at 8 p.m. Wednesday, April 16, in Eisenhower Auditorium. His talk is sponsored by Colloquy.

As CIA director from 1973-76, Mr. Colby faced one of the most difficult tasks in government: to maintain the effectiveness of the CIA during a time of unprecedented public investigations of the Agency's covert operations. In an effort to counteract widespread mistrust of the CIA, he testified to Congress and the press about its activities while fighting to protect its sources.

He sums up his defense of the Agency in these words: "It may have done some things in the past which were either mistaken or wrong, but it corrected itself. The CIA today is the best intelligence service in the world. . . . It is the envy of foreign nations. . . . I think we need good intelligence in the world ahead of us. I think we have got it — and I think we should continue."

After military service in World War II, Mr. Colby, a Princeton graduate, received his law degree from Columbia University and practiced for two years with a New York law firm before joining the National Labor Relations Board staff. At the outbreak of the Korean conflict, he joined the CIA where, with the exception of three years as chief adviser to the pacification program in South Vietnam, he remained until 1976.

He ran the Agency's covert intelligence-gathering activities and its secret political and paramilitary operations in Stockholm, Rome and Vietnam. In 1972 he was named executive director-controller, moving into the Agency's top spot a year later.

Nobel Laureate to give Mueller Lecture

Dr. John Bardeen, winner of two Nobel Prizes for physics, will present the 1980 E.W. Mueller Memorial Lecture at the



John Bardeen

University on Thursday, April 17.

The lecture, entitled "The Early Days of the Transistor," will be held at 8 p.m. in Room 117 Osmond Laboratory. It is sponsored by the Department of Physics and is open to the public free of charge.

Dr. Bardeen, described by his colleagues as a "blackboard physicist" — a theoretician, "is the first person to win two Nobel Prizes in the same field. He shared his first Prize with W.H. Brattain and W. Shockley for research on semiconductors leading to the invention of the transistor. His second, in 1972, was for the development of the theory of superconductivity and was shared with L.N. Cooper and J.R. Schrieffer. This phenomenon, in which electrical resistance in certain metals and alloys vanishes abruptly at a temperature above absolute zero, has led to the construction of new, powerful magnets and may find application in computers and power transmission lines.

Dr. Bardeen, emeritus professor of electrical engineering and physics at the University of Illinois, is a Fellow and past president of the American Physical Society. He is a past member of the President's Science Advisory Council. Other honors include the Stuart Ballentine Medal from the Franklin Institute, the



Alessandra Comini

American Physical Society Buckley Prize and the U.S. National Medal of Science.

He earned his B.S. and M.S. from the University of Wisconsin and his doctorate from Princeton University.

The lecture honors the memory of Dr. Erwin Mueller, an Evan Pugh Professor of Physics, who invented the field ion microscope which enabled him to be the first person to "see" an atom.

Viennese art subject of two presentations

The painting and sculpture of turn-of-the-century Vienna, currently the subject of increasing attention from both historians and museum curators, will be the subject of Alessandra Comini, an internationally known scholar and lecturer, on April 17 and 18 at the University.

Professor of art history at Southern Methodist University, Dr. Comini will present the first of two public lectures at 8 p.m. Thursday, April 17, in Room 112 Walker Building. Her topic is "The Fantastic Art of Vienna," which is also the title of her latest book, published by Knopf.

Her second lecture, in conjunction with the Faculty-Graduate seminar on Wittgenstein's Vienna, is entitled "Vienna



William Colby

and Its Artistic Connection." It will be presented at 3:30 p.m. Friday in Room 101 Kern Building.

Architectural Digest has called Professor Comini "one of the most readable of art historians." She has published three books dealing with the subjects of her Penn State lectures, which will focus on the works of Gustav Klimt, Egon Schiele and Oskar Kokoschka.

Dr. Comini translated and edited Schiele's diary, published as *Schiele in Prison* by the New York Graphic Society. This book received a National Book Award Nomination in 1975. She is the author also of *Egon Schiele's Portraits*, *Gustav Klimt*, and *Egon Schiele*. Another volume, *Changing Image of Beethoven*, has been accepted for publication.

Dr. Comini organized exhibitions on Klimt and Schiele for the Guggenheim Museum and the Arnold Schoenberg Centennial Exhibition for the combined museums of Vienna.

A graduate of Barnard College, Dr. Comini earned her M.A. at Berkeley and her Ph.D. at Columbia. She has taught at Berkeley, Yale and Columbia.

Dr. Comini's lectures are sponsored by the Interdisciplinary Graduate Program in the Humanities and by the Institute for the Arts and Humanistic Studies.

Senate

(Continued from page 1)

by senators. Dr. Axt explained that entrance requirements for the Scholars Program had deliberately not been specified in the proposed legislation because it was felt that some experience in administering the program should be gained before anything was "written in stone."

Dr. Axt noted that the Undergraduate Instruction and Curricular Affairs Committees will review the program regularly. (A detailed description of the Scholars Program appeared in the March 13 issue of INTERCOM.)

The proposal to abolish zero credit courses was opposed by several senators from the College of Engineering, which has been offering Engineering 10 and 11 for some 35 years as a professional development, non-credit course for seniors. However, the Senate adopted the recommendation by Curricular Affairs to discontinue all of the nine courses currently offered in this mode.

In presenting the report of the Senate Libraries Committee for 1979-80, Committee Chairman Miles T. Pigott noted that the University had reallocated an extra \$1,000,000 to the Libraries but cautioned that "nearly 50 percent of the expenditures for books, journals and other materials for University Park and 25 percent of those for the Campus system are based on temporary funds."

He called attention also to problems the Libraries face in terms of space. The Committee report points out that

"even if we were to use all suitable areas in Patten for shelving this would cope with only four years of new books and

would displace 1,000 seats. . . ."

To assist the Libraries in planning for automation, the Senate Library Committee will develop "a sophisticated user survey in order to gain better understanding of the real and perceived needs of the faculty, their reactions to possible alternatives and their suggestions for change."

A 1980 progress report on planning and budget procedures was presented by Dr. Frank Mallette, chairman of the Committee on Planning and Development. The Committee report calls attention to the fact that, "the present planning and budget year represents a transition in two respects . . . it comes before a major implementation of the *Perspective on the '80s* can be initiated . . ." and it represents "the first major attempt to tailor the planning and hearing processes to individual academic units."

The report expresses the Committee's concern that the University maintain flexibility and selectivity in the face of mounting inflation, and notes that questions have been raised about "the calendar, the term system, administrative and maintenance costs and management effectiveness." It concludes by noting the following progress in the last year: ". . . 23 public and private universities (in Pennsylvania) have spent an average of 8.2 percent of their general funds budget for administration. Administrative costs at Penn State are 6.2 percent, showing that there has been success in this aspect of cost control."

'Staying Environment'

(Continued from page 1)

were formed to discuss four important areas in the creation of a Staying

Environment — faculty responsibilities, curricular issues, introduction of the student to the University, and drop-out prone students.

Recommendations from the first group included educating faculty members of the importance of the advising function; reviewing the character and intensity of faculty involvement in the Freshman Testing, Counseling and Advising Program; administrative encouragement of a caring attitude by all faculty members; and attention to the special expectations and requirements of "nontraditional" students.

In the area of curricular programs, discussants suggested that more senior faculty members teach freshman courses; that the identity of freshmen with their majors be increased by allowing them to take some professionally relevant courses in their first year and to spread BDR courses over four years; and that the use of coordinated and integrated courses be expanded.

In discussing the introduction of students to the University, participants felt that students should receive accurate and complete information about what to expect from college before enrollment if possible, and that the academic community should be intensely involved in assuring that this communication is realistic and complete.

Finally, the group dealing with drop-out prone students proposed that Penn State endeavor to show these freshmen that the institution is interested in and committed to their academic success. "The most helpful response will be one cognizant of particular student needs and delivered by a caring committed individual," Dr. Dunham reported. "The University should direct special attention to the public relations involved in advertising available remedial services, and deficiencies should

not be treated as stigmas that might make a student reticent to seek needed help."

Pointing to the creation of the Joint Committee on the Freshman Experience, Dr. Dunham noted that while this is a strong endorsement by the administration of the importance of the freshman year, in the final analysis, "it will take the personal and individual commitments of each of us to provide thoughtful responses based upon what is best for and needed by those being served — the students. The goal is to create a Staying Environment, not just to improve retention and, therefore, insure survival, but to foster the kind of faculty-student interaction that enhances scholarship and makes Penn State a better University."

Beaux Arts Trio tickets go on sale April 15

Acclaimed worldwide for their freshness of approach, superb musicianship and tremendous zest, the Beaux Arts Trio will perform in Schwab Auditorium at 8:30 p.m. Saturday, April 19. The evening's program will include Beethoven's Trio in C Minor, Opus 1, No. 3; Ives' Trio; and Dvorak's Trio in F Minor, Opus 65.

The trio — Menahem Pressler, piano; Isidore Cohen, violin; and Bernard Greenhouse, cello — have toured extensively in North America, Europe, Africa, and the Middle East.

Tickets for the performance will go on sale Tuesday, April 15, from 9 a.m. to 4 p.m. at the HUB booth and the Eisenhower Auditorium box office. Phone orders on Master Charge or Visa will be accepted at 814-863-0255 from 9 a.m. to 4 p.m. on the days of sale.

The rich tradition of Mont Alto

Penn State's Mont Alto Campus is one of those rare places where a visitor immediately feels at home.

The legacy of Mont Alto's days as the Pennsylvania State Forest Academy — often called "the cradle of American forestry" — pervades the campus. Old buildings stand their ground among the new, softened by towering trees and gentle landscaping on acreage surrounded by forests, orchards and a meandering stream. It all suggests an ambience in which people work, study and live happily with each other.

Campus Director Vernon L. Shockley concedes a similar attraction since he arrived at this southeastern Franklin County campus in 1965 as dean of student affairs. A graduate of Louisiana State University, he earned his M.S. in psychology and D.Ed. in higher education and student personnel, both at Penn State. He has directed Mont Alto's fortunes since 1971.

"I came with the intention of staying a year or two," he recalls. "I found I enjoyed the atmosphere and the way people interact here, and I've not seen anything I like better elsewhere."

Neither, apparently, have many of Mont Alto's students, 75 percent of whom come to the campus from regions beyond the immediate service area of Franklin, Fulton, Adams and western Cumberland counties. More than half of the 800-plus students reside in the three campus dormitories; a quarter of them live in apartments in the borough of Mont Alto; and the other quarter commute.

"The essentially residential nature of our campus has created a small-college atmosphere," Dr. Shockley points out. "This, in turn, creates a closeness which our students value and which continues when they graduate or move on to University Park to complete their degrees. It's not unusual to find whole floors of University Park dormitories or apartment buildings in State College designated as 'Mont Alto floors.' And it explains why, when we have special events such as Field Day in May, we get so many former students coming back to visit. Mont Alto means a lot to them."

A major ingredient in the students' affection for Mont Alto, aside from the opportunity to make lasting friendships with their peers, is the individual attention they receive from faculty and staff members.

"We've gone to the point of rescheduling a class to accommodate a student who perhaps won't graduate unless we can make some sort of rearrangement," Dr. Shockley says. "We've moved the location of entire classes to ensure that a handicapped

student can attend. We make every effort to accommodate individual needs without unduly inconveniencing other students."

Mont Alto's concern for students manifests itself in other ways. In 1967, the campus pioneered a community service program in which freshmen and sophomores — primarily those interested in education or human development — serve brief internships in classrooms or in human service agencies.

"This allows them to sample their intended careers at a very early stage in their schooling," Dr. Shockley explains. "They can find out if they're really suited to their careers well before their junior or senior years, when it may be too late to enroll in another major."

"Students and faculty members get to know each other rather well at Mont Alto," he continues. "In fact, one of the prime requisites for our faculty members is a genuine interest in students — an interest that goes beyond, say, perfunctorily advising a club. It spills over to field trips, weekend outings, intramural sports, and just being available if a student needs help or support."

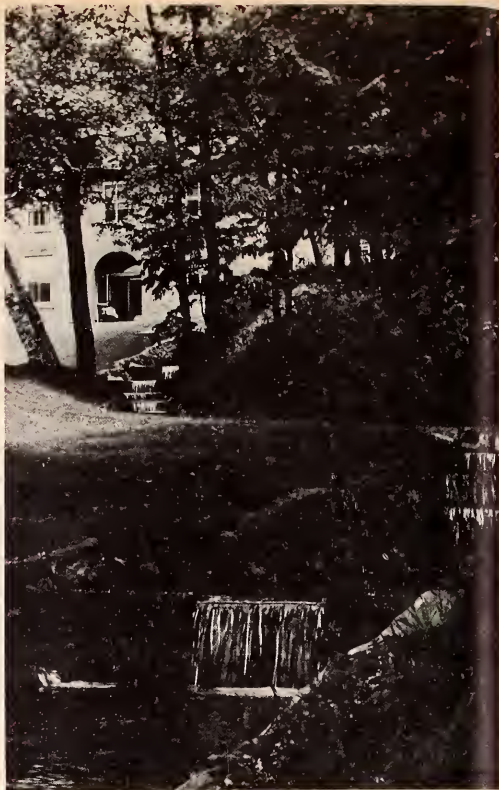
Mont Alto's advocacy of student-faculty interaction has paid off academically as well. As a result of its programs of student-faculty research, five Mont Alto sophomores have presented their research findings at Pennsylvania Academy of Science meetings within the last 2 years, and four more are scheduled for this spring's meeting.

Giving added impetus to Mont Alto's science curricula — the bulk of its students being enrolled in the Colleges of Agriculture, Engineering, Earth and Mineral Sciences, and Science — is the newest undergraduate science facility in the Penn State system. The Science/Technology Laboratory, completed in 1976, houses the chemistry, physics and biology complexes. Its sophisticated equipment includes a photogrammetry lab, where students learn to interpret aerial and satellite photographs. In addition, the building contains administrative offices and an art gallery.

The campus's newer structures — erected since 1968 — also include Mont Alto Hall (a dormitory), a dining hall, a library, and Penn Gate Dormitory — privately built but subsequently purchased by the University.

The General Studies Building — which opened in 1926 as the Forest Academy's main academic building — houses classrooms, an auditorium, a bookstore, a computer center and a listening-learning center.

Mont Alto serves not only to disseminate knowledge, Dr. Shockley



The man-made cascade and limestone dormitory are legacies of the Pennsylvania State Forest Academy.

stresses, but also to generate it in a variety of disciplines.

"One of our newer faculty members is Dr. Carl B. Wolfe Jr., assistant professor of biology. His research focuses on mushrooms and, in addition to his recent book on the subject — *Austroboletus and Tylopilus subg. Porphyrellus* (J. Cremer, 1979) — he's been presenting talks on mushrooms identification and collection to local audiences, and they've been very well received."

Another new faculty member is Dr. Carol Kessler, assistant professor of English and American Studies, whose research involves women and literature. She participated in two major panel presentations this past autumn: as chief biographer for "Mothers and Daughters

in Literature: The Lost Tradition" at the annual meeting of the Modern Language Association and as panel summarizer and presenter of "From Sunnyside to Sangreal: The Elizabeth Stuart Phelps" at the American Studies Association convention.

Dr. Ronald R. Keiper, associate professor of zoology, enjoys an international reputation for his studies of animal behavior, primarily on the feral ponies of Assateague and Chincoteague islands. Besides his many scholarly publications, he has written a children's book, *The Island Ponies* (Morrow & Co., 1979). Dr. Keiper's instructional talents equal his research accomplishments; he has won Penn State's two top teaching awards, the Lindback and AMOCO.

(Continued on page 8)



At left, the new Science/Technology Laboratory. Above, Campus Director Vernon L. Shockley. Right, the lawn of the Campus library is a popular spot for studying.



University Park Calendar

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

April 10-20

Special Events

Thursday, April 10

Spring Sereade Special Dinner, 4:45-6:45 p.m., HUB Terrace Room.
Cinematheque, Herbert Ross, *Goodbye Mr. Chips*, 6:30 and 9 p.m., HUB Assembly Hall.
Dept. of Political Science/Latin American Studies Program Lecture, 7:30 p.m., Room 109 Walker. Mercedes Fermin, Fulbright Distinguished Latin American Scholar, on "Women in Latin American Society and Politics."
"College of Science/Alumni Society, A. Dixon Johnson Memorial Lecture, 8 p.m., Room 105 Forum. Walter Sullivan, New York Times, on "Communicating Science to the Public."

URTC, *The Innates of the Convent of Saint Mary Egyptian*, 8 p.m., The Pavilion Theatre.

Artists Series, Ira Levin, *Deathtrap*, 8:30 p.m., Eisenhower Auditorium.

Friday, April 11

Public Seminar, 3 p.m., Keller Bldg. Auditorium. Dr. John W. Oswald, Dr. Eric A. Walker, Dr. Henry Gomberg and Dr. Bertram Wolfe on "Contributions of Research Reactors to Education, Industry and Safety."
Spring Sereade Special Dinner, 4:45-6:45 p.m., HUB Terrace Room.

FSHA 410, Dinner in Honor of Ben Franklin - 1785 Philadelphia, 5:45 p.m., Maple Room. Henderson. Reservations, 865-7020 or 237-2989.

Chinese Animation Festival, 7 p.m., Room 10

Spa.

URTC, *The Innates of the Convent of Saint Mary Egyptian*, 8 p.m., The Pavilion Theatre.

Penn State Blue Band, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, April 12

Robeson Cultural Center, bus trip to Washington, D.C., through April 13. Information, 865-1779.

Penn State Forestry Society, 24th Annual Tri-State Field Meet, 9 a.m.-4:30 p.m., fields east of Beaver Stadium.

"Brazalea Nuclear Reactor, Open House, tours at 10 a.m. and 2 p.m.

Spring Dairy and Livestock Judging Contest, 10 a.m.-3 p.m., University Dairy and Beef/Sheep Centers.

Sports: track (women) vs. Maryland, noon; baseball vs. George Washington (double header), 1 p.m.; lacrosse (women) vs. Ursinus, 2 p.m.

College of Earth and Mineral Sciences Open House, 1980 Earth and Man Exposition, 1-5 p.m., Room 101 Kern.

Football, Family Camera Day, 1 p.m., Beaver Stadium.

France-Cinema, *Two English Girls*, 7 and 9 p.m., Room 101 Kern.

URTC, *The Innates of the Convent of Saint Mary Egyptian*, 8 p.m., The Pavilion Theatre.

Penn State Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sunday, April 13

University Chapel Service, 11 a.m., Eisenhower Chapel. Ecumenical Student Worship Service.

Unity Christian Campus Ministries Service, 11:15 a.m., Frizzell Room, Eisenhower Chapel.

College of Earth and Mineral Sciences Open House, EMEX 80, 1-5 p.m.

Sports: baseball vs. Rider (double header), 1 p.m.

Opening Reception for Diane Pepe Exhibit, 3-5 p.m., Museum of Art.

Penn State Women's Choir and Penn State Singers, Kimberly Wolfe, conductor, 3:30 p.m., Music Bldg. Recital Hall.

HUB Mini Concert, Johnston Bros. country rock-country swing, 9 p.m., HUB Ballroom.

Monday, April 14

Music in Interesting Times Lecture, 3 p.m., Music Bldg. Recital Hall. Leonard B. Meyer, music and humanities, Univ. of Pa., on "Music Today . . . and Tomorrow?"

Shakespeare film, *Hamlet* (Richardson), 6:30 p.m., Room 101 Chambers.

France-Cinema, *Two English Girls*, 7 and 9 p.m., Room 101 Kern.

Brenda Hirsch, soprano, 8:30 p.m., Music Bldg. Recital Hall.



The Beaux Arts Trio will appear April 19 in Schwab Auditorium. Members, from left, are Menahem Pressler, Isidore Cohen and Bernard Greenhouse.

Tuesday, April 15

Fixed date for meetings involving Commonwealth Campus Faculty. GSA videotape, "CBS: The First 25 Years," noon, Kern Lobby.

STS/Three Cultures Dialogue luncheon, noon; presentation, 12:20 p.m., Room 101 Kern.

James J. Fritz, chemistry, on "Complicity in the Scientific Community."

Comp. Lit. Luncheon, 12:15; talk, 1 p.m., Hotel State College. Lorraine Kapitanoff, Slavic languages, on "The Art of Russia."

Sports: softball vs. Clarion (double header), 1:30 p.m.

School of Music Common Hour, student performance, 4 p.m., Music Bldg. Recital Hall.

Shakespeare film, *Hamlet* (Richardson), 6:30 p.m., Room 112 Chambers.

Artists Series film, *Of Human Bondage*, 8 p.m., Schwab.

Wednesday, April 16

Fixed date for meetings involving Commonwealth Campus Faculty.

UDIS, Performance Objectives workshop, 1:30 p.m., Room 128 Mitchell. Reservations and information, 865-7475.

Music in Interesting Times Lecture, 3 p.m., Music Bldg. Recital Hall. Joanne Feldman, music and first violinist, Alard String Quartet, on "Music and World."

Naiads Water Show, student preview, 7 p.m., Natatorium.

College of HPER Lecture, 8 p.m., Room 101 Chambers. Larry K. Olsen, health sciences, Arizona State Univ., on "School Health Curriculum Project in Saudi Arabia and the United States."

Colloquy, William Colby, former CIA director, speaker, 8 p.m., Eisenhower Auditorium.

Musica da Camera, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, April 17

Honorary Engineering Lecture, 4 p.m., Room 26 Mineral Sciences. John McLucas, executive vice president, COMSAT General Corp., on "The Future of Communications."

FSHA 410, Northern Italian Dinner, 5:45, 6 and 6:15 p.m., Maple Room. Henderson.

Reservations, 865-7441 and 238-8331.

Cinematheque, Fellini, *Satyricon*, 6:30 and 8:30 p.m., HUB Assembly Hall.

Dr. C. Walter Hodges on "The Restoration of Shakespeare's Globe Theatre, 7:30 p.m., Room 112 Chambers. Sponsored by IAHS-Departments of English and Theatre and Film.

"College of Science, Mueller Lecture, 8 p.m., Room 117 Osmond. John Bardeen, Nobel Laureate, Univ. of Illinois, on "The Early Days of the Transistor."

IAHS/Interdisciplinary Graduate Program in Humanities Lecture, 8 p.m., Room 112 Walker. Alessandra Comini, art history, SMU, on "The Fantastic Art of Vienna."

Kern Theatre, student preview, 8 p.m., Room 112 Kern.

Linguistics/Anthropology/Slavic Languages Lecture, 8 p.m., Room 107 Willard. Michael Silverstein, Univ. of Chicago, on "On Saying That . . . in Chinook."

Naiads Water Show, "That's Waterainment," 8 p.m., Natatorium.

Friday, April 18

Faculty-Graduate Seminar on Wittgenstein's Vienna, 3:30 p.m., Room 101 Kern.

Alessandra Comini, art history, SMU, on "Vienna and Its Artistic Connections."

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. William Duiker, East Asian history, on "How They Won: Comments on the Communist Victory in Viet Nam."

9th Annual Black Arts Festival Lecture, 8 p.m., Frizzell Room. Eisenhower Chapel. Dr. Loretta Long, actress and educator, on "The Need for Excellence in the Academic Setting."

Kern Theatre, "Starting Here, Starting Now," musical review, 8 p.m., Room 112 Kern.

Naiads Water Show, "That's Waterainment," 8 p.m., Natatorium.

Penn State Symphonic Wind Ensemble, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, April 19

Phi Psi 500 Sports: baseball vs. Howard (double header), 1 p.m.; lacrosse (women) vs. West Chester, 2 p.m.; lacrosse (men) vs. Rutgers, 7 p.m.

Black Arts Festival: Dr. James Cone, Union Theological Seminary, on "Black Liberation Theology and Its Implication for Blacks in Higher Education," 1:30 p.m., Frizzell Room.

Chapel. Lonnie Liston Smith and Dexter Wansel, jazz pianists, 8 p.m., Eisenhower Auditorium.

Kern Dinner Theatre, dinner, 6:30 p.m., Room 102 Kern; "Starting Here, Starting Now," 8 p.m., Room 112 Kern.

Naiads Water Show, "That's Waterainment," 8 p.m., Natatorium.

Artists Series, Beaux Arts Trio, 8:30 p.m., Schwab.

Sunday, April 20

"EcoAction, Earth Day '80, HUB Lawn and Hetzel Union Bldg.

University Chapel Service, 11 a.m., Eisenhower Chapel. Dr. James Cone, Union Theological Seminary, New York City, speaker.

Sports: baseball vs. St. Francis (double header), 1 p.m.

Black Arts Festival. Unity Christian Campus Ministries, Beaver Campus and Bradlock Gospel Chorus Concert, 2 p.m., Frizzell Room.

Caribbean Dinner, 6-8 p.m., and cultural show, Robeson Cultural Center.

Kern Dinner Theatre, dinner, 6:30 p.m., Room 102 Kern; "Starting Here, Starting Now," 8 p.m., Room 112 Kern.

Seminars

Friday, April 11

Analytical Chemistry. Steve Ankabrandt, grad. student, on "Electrochemistry of Sulfur Species in Coal Process Streams," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry. Gary Pruett, Univ. of Pa. on "State Resolved Reaction Dynamics in Molecular Beams," 2:30 p.m., Room 333 Whitmore.

Tuesday, April 15

Organizational Behavior. Henry Mintzberg, McGill Univ., on "Research Methodology for Tracking Managerial Strategy in an

Entrepreneurial Firm," 9 a.m., Room 201 BAB.

Plant Pathology. David Anzola, grad. student, on "Role of Pollen Transmission in Seed-Borne Viruses," 9:45 a.m., Room 213 Buckhout.

Metallurgy. Thomas Tsai, grad. student, on "Slag-Metal Equilibrium in Stainless Steelmaking," 11 a.m., Room 301 Seidle.

Organic/Inorganic Chemistry. Michael Breen, grad. student, on "Synthesis and Reactions of Transition Metal Formyl Complexes," 12:45 p.m., Room 333 Whitmore.

Physics. M.G. Payne, Oak Ridge National Lab., on "Effects of Collective Emission on Multiphoton Ionization," 3:30 p.m., Room 445 Davey.

Engineering Science and Mechanics. E. Williams, physics, on "Nearfield Acoustical Holography," 4 p.m., Room 232 Hammond.

Wednesday, April 16

HPER, Larry K. Olsen, Arizona State Univ., on "Future Trends in Elementary Health Education," 2 p.m., Room 111 White.

Geosciences. David A. Stephenson, Water Resources Section, Woodward-Clyde Consultants, on "Hydrogeologic Aspects of Energy Development," 3:45 p.m., Room 26 Mineral Sciences.

Thursday, April 17

Ceramic Science. G.C. Kuczynski, Univ. of Notre Dame, on "New Developments in Sintering Theory," 11 a.m., Room 301 Seidle.

Chemistry. Irwin Rose, Institute for Cancer Research, on "Studies of Enzyme Mechanisms," 12:45 p.m., Room 333 Whitmore.

Institute for Policy Research/Dept. of Political Science. Donald C. Pels, Univ. of Michigan, on "Use of Information in Innovating by Local Governments," 2 p.m., Room 313 HUB.

Anthropology. John K. Mallory, Randolph J. Widmer and Paul A. Rader, grad. students, on "Modeling the Place of Protein in a Pre-Colombian Subsistence System," 3:30 p.m., Room 107 Carpenter.

Acoustics. S. David Roth, noise control lab., on "Atmospheric Propagation of Sound from a Wind Turbine Source," 4 p.m., Room 75 Willard.

Fuel Science. Giarid A. Simons, Physical Sciences, Inc., on "The Role of Transport Species Through Porous Particles During Pyrolysis," 4 p.m., Room 301 Seidle.

Exhibits

Chambers Gallery: William Bradley, sculpture and drawings; ceramics by senior Fine Arts Students.

HUB Galleries: master works from the National Glass Conference, through April 12. "Paintings of Two Pennsylvania Artists, Henry O. Tanner and Horace Pippin, opens April 13. The Gallery. Bruce Johnson, prints and watercolors, through April 15; "Landscape Architects Design Awards Exhibit, opens April 16, Browning Gallery.

Bayan Bielski, sculpture, opens April 14. Gallery Lounge, "Slavic Folk Art Festival Exhibit, Art Alley.

Kern Gallery: Ukrainian Clad Esher display, through April 12. Glass Works, through April 14. David Rubello, paintings and photographs; Laverta Butler, ceramics, opens April 11; Anne Curtis, ceramics, opens April 14.

Museum of Art: Pennsylvania prints from the collection of John C. O'Connor and Ralph M. Yeager, through April 13, aspects of representation after World War II - works from the permanent collection. Chinese export porcelains from the collection of Dr. and Mrs. Harold L. Tonkin, recent works on paper by Diane Pepe, opens April 19.

Pattee Library: Rome Hanks, Mary Edith Miller and Patricia Walsh, photographers, through April 18. East Corridor Gallery, "Sofa Group," works by Veronica Taylor and Christine Siksa, through April 18.

Lending Series: Lobby. Mitchell Weiss, ceramics, through April 18. The Fantastic Art of Vienna, 4 p.m., Main Lobby.

Visual Arts Bldg. Zoller Gallery: National Glass Conference Exhibit, through April 13. Graduate Thesis Exhibit, opens April 19.

Mont Alto

(Continued from page 4)

Mont Alto is a locus of curricular innovation. Its associate degree program in surveying technology is one of only two such programs in the Penn State system and is, in fact, recognized nationally. (Wilkes-Barre has the other.)

"We'll be offering three new associate degree programs in Fall Term 1980," Dr. Shockley says. "Business Administration and Agricultural Business are offered at other campuses, but they'll be new to Mont Alto. An unusual new associate degree program is Railway Engineering Technology, which concentrates on track management, not rolling stock. The only other campus that will offer that program is Wilkes-Barre."

Mont Alto, of course, offers the first two years in all of Penn State's baccalaureate degree programs and the associate degree programs in letters, arts and sciences, but any conversation about its curricula inevitably turns to forestry.

It is the only campus offering the two-year program in Forest Technology — also recognized nationally — and it also provides the first two years of the School of Forestry's baccalaureate degree majors. Forestry enrolls more students than any other major at Mont Alto.

"Mont Alto came to Penn State as an inherited asset," Dr. Shockley says. "The school started as the Pennsylvania State Forest Academy in 1903. In 1929 the Academy was phased out and turned over to Penn State in exchange for land. From 1929 to 1963 — the year we became a Commonwealth Campus — Penn State's School of Forestry used Mont Alto solely to educate freshman forestry majors, who transferred to University Park for their remaining three years."

In addition to the buildings of the Forest Academy, the Campus also inherited, and still maintains, its arboretum, which contains most hardwoods indigenous to

North America and is acclaimed as one of the finest in the East. Mont Alto's associate degree forestry students get practical experience by managing the Waynesboro Watershed, as did their predecessors at the Forest Academy.

In 1978, the Campus celebrated its 75th anniversary as an institution of higher learning, but the history of the site goes back much further.

"The site originally was an iron foundry founded by the Hughes brothers of Virginia about 1807," Dr. Shockley says.

"Shortly before the Battle of Gettysburg in 1863, Jubal Early's Confederate troops passed by after burning Chambersburg and destroying other nearby foundries, but they spared this one — ostensibly because of the Hughes brothers' southern sympathies."

The year following, an invalided Union colonel, George Westing, took over the foundry and guided it to prosperity until 1893, when it fell victim to the Bessemer Process. The house he lived in and enlarged is now Westing Hall, which contains a game room, lounge and snack bar. Westing Hall is alleged to be the oldest structure Penn State owns, as the log core most likely was erected by the Hughes brothers in the early 1800s.

There is more history to the site. The abolitionist John Brown, during the six weeks he lived in nearby Chambersburg before the Harper's Ferry raid, in 1859 taught Sunday School in the Episcopal Chapel adjacent to the Campus. After the raid, one of his followers, Captain John Cooke, was captured within a stone's throw of the present campus entrance.

"We do have a rich history and tradition at Mont Alto," Dr. Shockley says, "but the legacy of the place — particularly as a forestry school — has sometimes been a burden in that many people still think of us as a forestry school. We're proud of that legacy and of our continuing programs in forestry, but the message we'd like to get out is that we offer so much more."

By Roger Williams

News in Brief

(Continued from page 1)

through a comprehensive program for minorities developed at Penn State. That program is a response to a resolution of the Association for the Advancement of Journalism calling for expanding news media opportunities for minority groups. Through it, the School will sponsor a number of workshops and conferences of special interest to minority journalists.

Naiads show April 17-19

The Penn State Naiads Synchronized Swim Club will present its annual water show on April 17, 18, and 19 in the Natatorium. Each day's show begins at 8 p.m.

This year's show, "That's Watermain'tain," will feature the 36 Naiads members in 14 different routines, each differing in music, theme and number of swimmers. Two of the routines won first place honors in the recent Eastern Regional Meet.

Tickets are available at the Athletic Ticket Office in Recreation Building and can be purchased at the door on the nights of performances.

Musica da Camera to perform

Two major 20th century works for chamber orchestra have been selected for a concert by Musica da Camera at 8:30 p.m. Wednesday, April 16, in the Music Building Schoen Hall.

Arnold Schoenberg's "Verklärte Nacht" ("Transfigured Night") will open the program. Written in 1899 when the composer was 25, the piece is based on a poem by Richard Dehmel. It was arranged for string orchestra in 1921 and is the composer's most frequently-performed work.

Musica da Camera will also perform Igor Stravinsky's "Pulcinella Suite." This

composition, which consists of several movements, is based upon the works of Baroque composer Giovanni Battista Pergolesi.

Musica da Camera is composed of 11 string players, mostly graduate students and faculty from the School of Music. The group is directed by D. Douglas Miller, conductor of the Penn State Symphony Orchestra and an associate professor of music.

Lions to hold Camera Day

Penn State's football team will hold its 10th annual Family-Camera Day at Beaver Stadium on Saturday, April 12, at 1 p.m. The Penn State team, coaching staff, cheerleaders and Nittany Lion will be available during the hour-long photograph and autograph session, which will be followed by an intra-squad scrimmage at 2 p.m.

Young Artists to play with Penn State Symphony

The winners of the 1979-80 Young Artists Competition will present their annual concert at 8:30 p.m. Saturday, April 12, in Eisenhower Auditorium. The performers will be accompanied throughout the program by the Penn State Symphony Orchestra.

Rubello exhibit at Kern

An exhibit of the paintings and photographs of David Rubello, assistant professor of art, is on display in the Kern Graduate Center Galleries through April 26.

Mr. Rubello studied painting at Detroit's Society of Arts and Crafts (now the Center for Creative Studies), at Rome's La Accademia di Belle Arti, and in Denmark. He completed his MFA degree at the University of Michigan in 1972.

He taught at Michigan and at Flint Community College before joining Penn State's faculty in 1974.

The '80s

(Continued from page 1)

responsibilities. What they might have questioned was the cost of remedial education."

Whether Penn State still has the capability to respond to opportunity wherever it arises is another of Dean Bartoo's concerns.

"Suppose," he says, "the federal government were to decide to double its investment in sponsored research in the College of Earth and Mineral Sciences. Could the University respond with seed money and space? This ability to respond quickly is one of the most precious attributes of any university, and I am concerned that we retain the capacity."

E&MS is one of the areas which Dean Bartoo believes will expand significantly in the '80s. "If we can take advantage of the opportunities, sponsored research in that College could double in the new decade," he says. "But one of the major inhibitors is lack of space. While the *Perspective on the '80s* suggests that we have to spend more money to renovate existing space, rather than put up new buildings, I think more importantly we will have to reallocate space, and that is a decision that requires extremely high administrative courage."

In addition to its established strengths in the earth and mineral sciences, Penn State has a long history of contributions in agriculture and engineering, two other areas on which Dean Bartoo believes the University can capitalize in the '80s.

"There will be no abating of the need for more food and fibre and for more efficient ways of producing and processing them," he continues, "and the decade will also require a great effort to restore U.S. preeminence in industrial productivity. Much of the basic technological knowledge to push us in the latter direction comes from engineering. At the same time, since people will be needed to manage both small- and large-scale

economic and political systems, Business Administration is likely to be another growth area."

While graduate enrollments in the arts and humanities will probably decrease moderately in the beginning of the '80s, Dean Bartoo thinks that their survival is in no real danger. "I foresee no revolutionary change in the knowledge base," he says, and he points to a recent article in *Science* by Kenneth Boulding which addresses this question. Boulding discussed "secure and insecure" sciences. He cited classical physics and genetics among his examples of "secure" sciences and compared them with such "insecure" fields as computer science, where there is an exploding knowledge base. "I believe the humanities fit the definition of a 'secure' discipline," Dean Bartoo says. "They may shrink, but I don't think they are going to disappear."

Interdisciplinary research units at Penn State provide both financial support and research problems for graduate students, and Dean Bartoo believes the University should be more aggressive in restructuring these units in the '80s. Some of them, he says, seem to have lost momentum.

He also believes that the University should take a fresh look at its various units. He suggests bringing together the liberal arts, arts and architecture, and science in a different relationship. "I have a general feeling that part of the reason this group of colleges doesn't provide the leadership they should within the University is due to their administrative splintering," Dean Bartoo says.

Nor does he consider the Graduate School sacrosanct. "In the years ahead we should explore at least some kind of organic merger with the Office of the Vice President for Research and Graduate Studies to see whether economies might result."

Noting that a number of the land-grant institutions with which Penn State compares itself — Illinois, Michigan or Indiana, for example — have endowments

on the order of \$100 million, Dean Bartoo says that he believes one of the University's goals in the '80s should be to try to increase its endowment. A permanent endowment could supply academic enrichment in the form of chairs, travel grants to faculty, visiting lectureships and fellowships, Dean Bartoo points out. "Even though temporary monies are made available year by year for some of these purposes, Penn State still needs a permanent stable base for academic enrichment if we intend to achieve our aspirations."

Currently the Graduate School has about 125 programs. Dean Bartoo believes that it will finish the decade with roughly the same number, although some programs will certainly fold and some new ones will be added. He thinks that by 1988 graduate enrollments at University Park may be in the range of 6,200-6,700. As federal aid regulations become more and more complex, the Graduate School will be forced to assume a larger role in coordinating aid packages for students.

In Dean Bartoo's view, the dollar value of sponsored research at the University could increase by as much as 60 percent during the next ten years, thereby providing additional funds to support students. At the same time, he sees the Graduate School playing a significant role in the post-baccalaureate needs of the working professional.

"After all, in terms of demographic data," he says, "it is the only group whose numbers will increase in the '80s. Our programs at Radnor, and in part at Capitol, have been devised in response to their needs. Delivering educational opportunities to these people will require innovative thinking, and we will have to depend on the initiative of our faculty members."

As a state institution, I believe Penn State not only has a responsibility to recruit top graduate students but also to serve the working professionals who are already out in the field."

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 075-1387). Applications for these staff vacancies will be accepted until 5 p.m., April 17, 1980. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

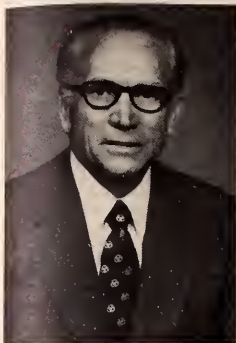
Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

RESEARCH AIDE — COLLEGE OF AGRICULTURE/University Park. Observe and collect data from departmental research projects, such as overwintering of genital, genetic classification of chicks, etc. Perform technical procedures such as artificial insemination, pedigree handling, classification of chicks, etc. maintain records of procedures performed. Examine data for accuracy and prepare data for submission to computer; summarize raw data or computer print-out. An associate's degree or equivalent in biology, animal industry or biology, plus 6 months effective laboratory experience or a bachelor's degree or equivalent in the above with less experience required.

PRODUCER-DIRECTOR — CONTINUING EDUCATION, University Park. Responsible for planning and coordinating all phases of assigned production projects. Duties include coordinating and scheduling talent, technical personnel, equipment, etc. For assigned projects and developing content of assigned projects. This position requires the ability to write or supervise the writing of programs or program segments and the ability to perform on various types of television production sets is also preferred. Bachelor's degree or equivalent plus one to two years effective experience in television and film production. THIS IS A FIXED TERM APPOINTMENT WHICH EXPIRES JUNE, 1981.

PUBLICATIONS DESIGNER, ART EDITOR — COLLEGE OF MEDICINE, Hershey. Responsible to the Director of Public Relations for creative and administrative responsibility for establishing, sustaining and refining the publications and graphics image which support the Medical Center's communications and advancement programs. A bachelor's degree or equivalent in graphic arts or related field, plus one to two years effective experience.

Penn State Intercom



Thomas A. Murphy

GM Chairman is Elliott lecturer

Thomas A. Murphy, chairman of the board of directors of General Motors, will deliver the 1980 William Elliott Public Lecture at 9:45 a.m. Friday, April 25, in Kern Auditorium.

The address, on "Insuring America's Future," will open the sixth annual William Elliott Invitational Conference April 25-26 in the College of Business Administration. Senior executives of trade associations and leading academicians in the insurance field have been invited to the conference, according to CBA Dean Eugene J. Kelley.

Mr. Murphy was elected GM's chief executive officer in 1974. He joined the corporation as a clerk on the comptroller's staff after graduating from the University of Illinois with a B.S. in accounting in 1958. He held positions as an accountant, statistician and supervisor of corporate forecasts and financial analysis before being named director of analysis of corporate and divisional pricing in 1954. Further promotions resulted in his being named assistant treasurer, comptroller and treasurer of the corporation, and vice president and executive in charge of the car and truck group.

Mr. Murphy was the 1979 chairman of the Business Roundtable and is a member of the board of directors of the United Negro College Fund. He is also a member of the Financial Executives Institute and the United Way of America board.

A Navy veteran, he has received 11 honorary doctorates, along with the American Legion's Public Service Medal and the National Human Relations Award from the Greater Detroit Roundtable of the National Conference of Christians and Jews.

On Friday afternoon, Richard E. Stewart, senior vice president of Chubb and Son, Inc., will lead a round-table seminar with the theme of "The Reluctant Growth Industry."

The Conference will conclude Saturday with a discussion of changing social values and their impact on the insurance industry, led by Florence R. Skelly, executive vice president of Yankelovich, Skelly & White, Inc.

The annual conference is named for William Elliott, consultant and former chairman of the Executive Committee of Philadelphia Life Insurance Company and donor of the William Elliott Chair.

News in Brief

Behrend project gets NSF award

Behrend College was one of 57 colleges and universities chosen to receive support from the National Science Foundation for Student-Originated Studies on Environmental and Societal Problems. Only four of these projects are in Pennsylvania, and Behrend received the only Penn State award.

The project title is "Atmospheric Ionization Effects on Serotonin Levels in Rats under Various Stress Conditions." The student-planner/principal investigator is Lawrence J. Jonczack, with Kiyoe Mizusawa, associate professor of psychology, as faculty advisor. The NSF awarded \$15,225 for the project.

Ag offers advising seminars

The College of Agriculture will sponsor two faculty seminars on advising this term. Dean James M. Beattie has announced.

The first will be held at 3:30 p.m. Thursday, April 24, in Room 121 Sparks Building. David S. Crockett, vice president of the Education Services Division of the American College Testing Program, will speak on "Making Academic Advising Work: Issues and Implications for the '80s."

The second will be held at 3:30 p.m. Thursday, May 8, in Room 121 Sparks Building. Dr. Harvey W. Wall, director of the Division of Undergraduate Studies, and his staff will discuss the background of advising programs at Penn State, the components of an effective advising system, the characteristics of student

advisees and the future concerns of advising at Penn State.

Faculty members from all colleges, as well as interested graduate students, are invited to attend.

Moore to visit April 22-24

Robert W. Moore, president of Financial Executive Institute, will return to the University April 22 through April 24 as an Alumni Fellow for the College of Business Administration.

The Alumni Fellows program is sponsored by the Penn State Alumni Association.

A 1948 graduate of Penn State, Mr. Moore heads an organization of more than 10,500 senior financial officers from over 5,600 worldwide companies.

Prior to joining Financial Executive Institute in New York, Mr. Moore was controller of the Consolidated Natural Gas Co. in Pittsburgh from 1962 until 1978.

A certified public accountant, he also worked for the accounting firm Price Waterhouse & Co.

As a Penn State alumnus, Mr. Moore is a member of the Executive Board of the Alumni Council and of the College of Business Alumni Society Board.

Further information about his and other Alumni Fellow visits is available from Heather Gilbert in the Alumni Office, 865-6516.

125th bumper stickers ready

"Happy 125th Penn State" bumper stickers are now available. The 3½" by 7", blue and white, removable stickers may be obtained free of charge at the HUB and the Old Main information desks or from the director's office at the Campuses.

University participates in ACE's first national teleconference on 'Higher Education Issues'

University faculty and staff members participated April 8 in the American Council on Education's first national teleconference on "Higher Education Issues."

The teleconference utilized television distributed by communications satellite to 55 stations in 34 states and two-way telephone arrangements which allowed participants throughout the country to question a panel of leading educators.

President Oswald, who served as host for Pennsylvania participants in the conference, told University Park participants at the studios of WPXJ in view of rising travel costs and scarce resources, the teleconference concept may be an effective way of relating to colleagues in other institutions in the future.

Panelists for the conference, televised from the University of Nebraska at Lincoln, were Ernest Boyer, president of the Carnegie Foundation for the Advancement of Teaching; Martha Church, president of Hood College; Carl Kayser, vice chairman and director of research, Sloan Commission on Government and Higher Education; and J.W. Pelton, president of the American Council on Education.

Much of the discussion centered on quality education and methods of measurement. Dr. Kayser said the Sloan Commission has suggested that the peer review process be augmented by existing machinery of accreditation in the

individual states to bring it more into the public process.

According to Dr. Boyer, former U.S. Commissioner of Higher Education, the Carnegie Commission is much more conservative on the question of encouraging participation beyond the campus. "Are we ready to create agencies beyond the campus with authority over our academic programs?" he asked. "I'm concerned about the basic premise that control of quality can best be achieved by developing mechanisms beyond the campus."

Dr. Church expressed concern about the ability of 50 different coordinating boards to address problems of minimum standards and then move ahead to provide guidance in addressing the issue of quality.

According to Dr. Kayser, the major issue for the 1980s will be balancing the priorities of equalizing and extending educational opportunities while maintaining quality of higher education offerings.

The Carnegie Commission, Dr. Boyer noted, identified the three major issues in the 1980s as quality, integrity and purpose.

The panelists fielded a wide range of questions from educators in various parts of the country and touched on numerous issues.

A College Education — Dr. Pelton: "Without trying to argue that everyone should go to college, we have a

(Continued on page 5)



J. William Holl

Honors Program will be May 11

Over 300 undergraduate students and five faculty members representing all Penn State campuses will be cited for academic excellence at the 1980 Honors Convocation, Sunday, May 11, at 2 p.m. in Eisenhower Auditorium.

Student awards to be presented include the President's Freshman Award, President Sparks Award for sophomores, Evan Pugh Scholar Awards for juniors and seniors, and the John W. White Fellowship.

Four faculty members, two representing the University Park Campus and two from Commonwealth Campuses, will receive Amoco Foundation Outstanding Teaching Awards. The awards recognize excellence in teaching performance in the undergraduate program.

In addition, the Raymond R. DiMeo Award for Instructional Improvement will be presented to recognize the contribution of a faculty member for improvement of undergraduate instruction over and above classroom teaching performance.

Dr. J. William Holl, professor of aerospace engineering and 1973 winner of the Christian R. and Mary F. Lindback Award for Superior Teaching, will address honored students, their families and Penn

All faculty are invited to participate in the Honors Convocation as members of the academic procession. Faculty in academic regalia should plan to meet platform party members in the Green Room of Eisenhower Auditorium no later than 1:45 p.m. Seating in the front rows of the auditorium will be reserved for those in the procession. Faculty and staff not wishing to be members of the procession are invited to attend the program as members of the audience. PLEASE NOTE: Faculty must provide their own academic regalia.

State faculty members and guests on "The Seesaw of Life."

Dr. Holl, who holds B.S. and M.S. degrees in mechanical engineering from the University of Illinois and a Ph.D. in mechanical engineering from Penn State, is internationally known for his research in cavitation inception. The recipient of the 1977 Outstanding Performance Award of the Applied Research Laboratory, he was

(Continued on page 5)

Penn Staters

Twenty-seven faculty members have been awarded one year Research Initiation Grants from a fund provided by President Oswald. The grants, ranging from \$2,100 to \$5,800, were established to encourage and support research and other creative work.

Faculty members — at all campuses — with no more than two years of service accumulated before September 1980 were eligible for the 1980-81 RIG grants. "We award these funds to support lines of research that may lead to external sponsorship," says R.G. Cunningham, vice president for research and graduate studies, who administers the program.

A committee of G.F. DeJong, E.H. Ludwig, W.M. Phillips (chairman), H. Pickering, M.J. Tretter, and J.F. Remick (ex officio) reviewed and screened 72 proposals.

Faculty members awarded grants and the proposal titles are:

John C. Attig, assistant librarian, John Locke (1632-1704); A bibliography; Willem A. Baan, assistant professor of astronomy, The structure of double radio lobes; Jay Besky, assistant professor of human development, Facilitating parental involvement in the newborn period; Thomas M. Callaghy, instructor of political science, A crisis in finance: Zaire and the international system; Joseph L. Cavinato, assistant professor of business logistics, A performance evaluation and decision making methodology for transportation management;

Sigrid A.E. Christensen, assistant professor of art, Researching the new technology of casting stainless steel; Linda W. Craighead, assistant professor of education, Factors influencing college women's choices of and achievement in nontraditional scientific fields; Tarasankar Deb Roy, assistant professor of metallurgy, A fundamental study of iron melting in cupola furnaces; Barbara J. Garrison, assistant professor of chemistry, Determination of surface structure by classical trajectory studies of the interaction of high energy beams with solids;

James M. Gerson, M.D., assistant professor of pediatric hematology, Hershey, A comparison of in situ suppressor cells from regressor and progressor murine sarcoma virus-induced tumors in young CBA mice as to their possible in vivo relevance; Daniel R. Hagen, assistant professor of animal science, Uterine blood flow and its relationship to prenatal survival; Ross C. Hardison, assistant professor of microbiology, The developmentally regulated expression of rabbit B-like globin genes;

Robert R. Kulikowski, assistant professor of anatomy and physiology, Hershey, Myosin isoenzyme localization during cardiac morphogenesis; Emilia E. Martinez-Brawley, assistant professor of social welfare, Rural social work premises in rural America and rural Britain: A cross-cultural study; R. Nagarajan, assistant professor of chemical engineering, Solubilization of surfactants in aqueous and non-aqueous solutions; John S. Nichols, assistant professor of journalism, Narrowing the foreign affairs knowledge gap among U.S. newspaper readers; Don N. Page, assistant professor of physics, Aspects of quantum gravity;

R.N. Pangborn, assistant professor of engineering mechanics, Changes in microstructure and the role of the surface in creep deformation of metals; Carlo G. Pantano, assistant professor of ceramic science and engineering, Effects of network polymerization upon the hydration of glass; Arno J. Rethans, assistant professor of marketing, Assessing the efficacy of the Consumer Product Safety Commission's attempts at changing consumers' product hazard perceptions; M. Suzanne Roy, assistant professor of music, Solo vocal settings of poetry by Rainer Maria Rilke;

Daniel J. Royle, assistant professor of plant pathology, On hybridization of strains of the cultivated mushroom,



Walter G. Braun



George J. McMurtry

Dr. McMurtry to succeed Dean Braun

Dr. Walter G. Braun, professor of chemical engineering and associate dean for instruction in the College of Engineering, will retire with emeritus rank on June 23 after 38 years of service. He will be succeeded by Dr. George J. McMurtry, professor of electrical engineering and co-director of the Office of Remote Sensing of Earth Resources (ORSER).

Dean Braun received his B.S. in chemical engineering from The Cooper Union in 1942. His M.S. and Ph.D. in chemical engineering was granted by Penn State in 1948 and 1955, respectively.

Before joining the University faculty in 1951, Dean Braun worked as a chemist at the Tide Water Associated Oil Company in Bayonne, N.J. He was acting head of the chemical engineering department from July 1969 to February 1970, when he was named assistant dean. He became associate dean in 1974.

Highly regarded as an instructor, Dean Braun has taught courses in industrial chemical processes, distillation, liquid extraction, and chemical engineering principles. His major research effort was in analytical Raman and infrared spectroscopy and in petroleum refining. He has also studied distillation and liquid extraction, and physical and thermodynamic properties of pure hydrocarbons and hydrocarbon mixtures.

Dean Braun holds a patent with M.R. Fenske (the late head of Chemical Engineering) for "Heat Transfer Method for Solvent Recovery and Aromatic Crystallization." He co-authored a number of technical articles, reports, and chapters in technical books, and he is co-editor of the *Technical Data Book - Petroleum Refining*, published in 1966 by the American Petroleum Institute and revised in 1971. He is a Fellow of the American Institute of Chemicals.

Serving the University in areas other than teaching and research, Dean Braun was a member of the University Faculty Senate, the Graduate School Policy Committee, and the Administrative Council on Undergraduate Instruction. He was chairman of a Task Force on Registration and of the Senate Committee on Admissions.

He and his wife will continue to reside in State College.

Dr. McMurtry received his B.S. from the U.S. Naval Academy in 1955 and served in the U.S. Navy from 1955 to

agaricus bisporus; Fred R. Sattler, M.D., assistant professor, infectious diseases, Hershey, Studies of hepatitis B virus infection and hetero-transplantation of hepatitis B transformed liver cells in congenitally athymic (nude) mice; John L. Selzer, assistant professor of English, Cohesion and readability in paragraphs; K.K. Shung, assistant professor of bioengineering, The role of structural proteins in the acoustic impedance of biological tissues; Gerhard F. Strasser, assistant professor of German, Cryptography and universal languages in the 16th and 17th centuries; Bruce A. Williams, instructor of political science, American public policy.

1959. He earned his M.S. in electrical engineering from the University of Notre Dame in 1961, and his Ph.D. in electrical engineering from Purdue University in 1965.

From 1965 to 1967, Dr. McMurtry worked at the Information Processing Subsection of the Electronics Laboratory of the General Electric Company. In 1967 he accepted a joint appointment with the Department of Electrical Engineering and the Ordnance Research Laboratory at Penn State, and in 1969 became a full-time member of the Department of Electrical Engineering.

Since 1970 he has served as co-director of ORSER. He has been an investigator on several interdisciplinary research projects involving the analysis and interpretation of aircraft and satellite remote sensing data.

Dr. McMurtry has published several papers on remote sensing, pattern recognition, adaptive systems, and optimization, and he is author of a chapter in the book, *Adaptive, Learning, and Pattern Recognition Systems*.

Besides his teaching and research responsibilities, Dr. McMurtry has served the University as a member of the University Faculty Senate since 1974. He is chairman of the Senate during the current academic year. Dr. McMurtry served two terms on the Graduate Council, and was a member of the University's Steering Committee for A Perspective on the '80s.

Dr. McMurtry served as organizer and chairman of the 1969 IEEE Symposium on Adaptive Processes, and was invited and participated as an official U.S. delegate to the U.S.-Japan Seminar on Learning and Pattern Recognition Systems held in Nagoya, Japan, in August 1970. He was chairman of the Session on Learning Models at the 1972 International Conference on Cybernetics and Society, and served as an invited panel member for the NASA Applications and Requirements review for SEOS (Synchronous Earth Observations Satellite) in March 1974 and the Land Inventory Applications Survey Group for Landsat Follow-on in April 1976.

Dr. McMurtry is a senior member of the Institute of Electrical and Electronics Engineers (IEEE). He is a member of the Adaptive Systems Committee of the IEEE Group on Systems Science and Cybernetics.

Dr. James E. Van Horn, associate professor of child development and family life extension, and Dr. Graham B. Spanier, associate professor of human development and sociology, have been appointed by Public Welfare are Secretary Helen O'Bannon to the 81-member Pennsylvania delegation that will attend the White House Conference on Families in Baltimore, Md., June 5-7. Dr. Van Horn is project director of the Pennsylvania Forum on Families, which gathered testimony from Commonwealth residents about the problems facing the American family.

Dr. Laura S. Sims, associate professor of nutrition in public health, is one of 42 outstanding young American professionals chosen to receive a three-year Fellowship from the W.K. Kellogg Foundation of Battle Creek, Mich.

Kellogg Foundation Fellowships, which may provide support of up to \$30,000 to each individual, are awarded to support projects that focus on the application of existing knowledge to the problems of people. The program's intent is not to deepen professional specialization, but rather to broaden individual perspectives of people, places and ideas in the areas of agriculture, education and health.

Dr. Sims, selected from a field of 380 applicants, is recognized as being among the first to apply behavioral science research skills to the field of nutrition and to identify skills needed by new public health nutritionists.

She received her B.S. in foods and nutrition and home economics education at Penn State, graduating with highest distinction. She earned her M.P.H. in nutrition at the University of Michigan and her Ph.D. at Michigan State University, where she received the Duffy-Mott Award for the outstanding doctoral dissertation in the College of Human Ecology.

Dr. Sims joined the faculty of the College of Human Development in 1976. A member of the American Institute of Nutrition, she is currently chair-elect of the Graduate Faculties in Public Health Nutrition and chair of the Division of Higher Education, Society for Nutrition Education.

Dr. Frank W. Lutz, professor of education, has been named dean of the School of Education at Eastern Illinois University, effective July 1.

Dr. Lutz, an associate of the Center for the Study of Higher Education, was Director of the Division of Education Policy Studies from 1968 to 1973. Prior to that, he was an associate professor in the Division of Administration and Supervision, School of Education, New York University. The author of six books, he holds B.S., M.S. and E.D. degrees from Washington University, St. Louis.

Dr. Napoleon A. Chagnon, professor of anthropology, and Dr. Lee C. Schisler, professor of plant pathology and director of the Mushroom Research Center, have been elected Fellows of the American Association for the Advancement of Science. The two were among 485 scientists so honored for their "meritorious contribution to the advancement of science."

Dr. Chagnon is the co-editor, with Dr. William Irons, formerly of Penn State's Department of Anthropology and now at Northwestern University, of the first book to apply recent theories in sociology to a wide range of data on human social behavior. Published in 1979 by Duxbury Press, it is entitled *Evolutionary Biology and Human Social Behavior: An Anthropological Perspective*. He has done extensive field work among the Yanomamo Indians of Venezuela, and in a recent Science magazine article, was cited as "the country's leading expert" on them.

Dr. Schisler was cited for his "major contributions in basic fungal physiology and disease etiology, responsible for a 20 percent yield increase in commercial mushroom production while reducing the hazard of epidemic losses." His principal areas of research have included lipid metabolism of the cultivated mushroom, identification of the cause of mummy disease, discovery of spore transmission of virus disease of mushrooms and nutrient supplementation of mushroom composts. Most recently, with A.D. Carroll Jr., a former Penn State graduate student, he developed a delayed-release nutrient that has helped mushroom growers throughout North America increase yields by up to 40 percent.

(Continued on page 5)

Dr. Arthur Hayes, professor of medicine and pharmacology and chief of Clinical Pharmacology at Hershey, has been named president of the American Society for Clinical Pharmacology and Therapeutics.

Dr. Nathan N. Aronson, Jr., associate professor of biochemistry, presented invited lectures at Baylor Medical School, Rice University and the University of Alabama last month. He described his research on the degradation of blood protein in the liver.

Color viscosity prints by Bruce Shobaken, professor of art, are on exhibit April 15 to May 15 in the Princeton University Library's Graphic Arts Collection. Prof. Shobaken also described his work in an April 15 talk at Princeton.

Dr. Daniel R. Tershak, associate professor of microbiology, presented a March seminar at Hahnemann Medical College and Hospital on "Phosphorylation of Ribosomal Proteins During Poliovirus Infection."

Dennis R. Williams, C.C.P., chief perfusionist and director of the Cardiovascular Perfusion Technology Training Program at the Hershey Medical Center, and Norman J. Manley, C.C.P., the clinical supervisor of the same program, have been selected as two of 25 charter members of the Academy of Cardiovascular Perfusion. Both were selected on the basis of their professional publications and involvement in the education of professionals.

Irvin H. Kochel has been honored for his achievements as director of Behrend College with a resolution from the City Council of Erie and a proclamation by the County of Erie. He was also chosen as the Outstanding Alumnus for 1980 by the Penn State Club of Erie County.

Dr. Edwin L. Herr, professor and head of the Division of Counseling and Educational Psychology, received two awards for outstanding service at the recent annual convention of the American Personnel and Guidance Association: the Certification of Outstanding Service for "creative, effective and professional leadership" from the National Vocational Guidance Association and the Distinguished Professional Service Award for scholarship and national and international leadership from the American Personnel and Guidance Association.

Dr. Carol V. Gay, research associate in microbiology, was reappointed to the editorial board of the Journal of Histochemistry and Cytochemistry for a four-year term.

Bookshelf

Coal Grinding—A Manual for Process Engineers, written by two members of the University's mineral processing faculty, was published recently by the Department of Energy and is available from the National Technical Information Service.

The book reports the findings of Dr.

Peter T. Luckie, professor and chairman of the mineral processing section in the Department of Mineral Engineering, and Dr. L.C. Austin, professor of fuels and mineral engineering, from research they conducted when Dr. Luckie was director of research for the Kennedy Van Saun Corporation, Danville, Pa. The contribution from Penn State involved work by four graduate students and two project associates with support provided by the Kennedy Van Saun Corporation as part of a research project that firm performed under contract with the Department of Energy.

The book is described as a guide for the process engineer who must select a coal grinding system to be used as part of a larger coal conversion system.

Dr. Stuart H. Mann, professor of operations research and head of the Man-Environment Relations Program, is co-author of *Organization Development for Academic Libraries: An Evaluation of the Management Review and Analysis Program*, a 224-page book published this month by Greenwood Press, Inc. The principal author is Edward R. Johnson, director of libraries at North Texas State University and the former assistant dean of libraries for technical operations at Penn State.

Organization development, the authors state, can help administrators evaluate the true effectiveness of their libraries' staffs and programs. Though some librarians turn to outside consultants to help assess the efficiency of their operations, many library administrators are finding that their own professionals, using techniques of self-assessment, can be as effective as outsiders.

The book analyzes the benefits and limitations of library self-assessment, concentrating on the Management Review and Analysis Program of the Association of Research Libraries. The book begins by tracing the origins of applying organization development techniques to library operations. Early systems of self-evaluation also are discussed.

Then, the history and workings of MRAP, the most widely used self-assessment program today, are detailed. The impact of MRAP on 10 academic and research libraries is examined in depth. The program's success in introducing constructive changes is evaluated by the administrators involved. Other self-assessment programs also are analyzed. The issues and problems facing the rapidly growing field of evaluation research are then discussed.

Promotions

Staff Exempt

Linda O. Bollinger to supervisor, Credit and Collection, at Hershey.
Claudio Pellazar to coordinator, Operating Room Support Services, at Hershey.

Staff Non-Exempt

Gail M. McNulty to senior staff nurse at Hershey.
Harry A. Park to supervisor, Patient Accounts, at Hershey.
Martha L. Richardson to research technician at Hershey.
Marie J. Yesalavage to senior staff nurse at Hershey.

Clerical

Edward D. Cassel to inpatient billing clerk at Hershey.
E. Joyce Jones to secretary B in Housing and Food Services.
Joan M. Koester to customer service clerk at Penn State Bookstore.
Kathy S. Reigle to senior clerk at Hershey.
Roseann Thal to secretary A in Earth and Mineral Sciences.

Technical Service

Doris M. Bracken to food production worker A in Housing and Food Services.
Luther W. Musser to residence hall preventive maintenance worker in Housing and Food Services.

Obituaries

Paul H. Schweitzer, professor emeritus of engineering research, died April 12 at the age of 86.

A member of the faculty from 1923 to 1958, Dr. Schweitzer was internationally known for his contributions to diesel research, an area in which he continued working almost until his death. He held 23 patents, most of them for improvements to diesel and internal combustion engines, issued between 1913 and 1978.

He was born in 1893 and received an M.E. degree from the Royal Hungarian Technical Institute. His engineering doctorate was granted in Dresden at the

Saeschische Technische Hochschule, which later awarded him an honorary degree.

The author of more than 100 papers, Dr. Schweitzer wrote a leading reference book, *Two-Stroke Cycle Diesel Engines*. He helped develop a device to reduce automobile pollution, a "Pollimeter," which was approved for installation in 1966-1970 vehicles in California. His "Optimizer," for which he received two patents, was designed to reduce fuel consumption in automobiles.

Stanley H. Campbell, vice president emeritus of business, died April 9 at the age of 73.

Mr. Campbell earned his B.A. in business administration at Penn State in 1932, and actually began his University service during his junior and senior years when he served as a secretary to J. Orvis Keller, then assistant to the president in charge of extension. He was named vice president for business in 1962, having held a number of posts in the University, including the directorship of the Department of Housing and Food Services. Mr. Campbell retired in 1969.

Clinton J. Swartz, an assistant food supervisor with Housing and Food Services since 1960, died April 4 at the age of 50.

Roy E. Burns, a mechanic in the College of Engineering from 1946 to 1959, died April 8 at the age of 86. He joined the staff of the University as a janitor with the Office of Physical Plant in 1939.

Paul W. Cogan, a residence hall worker with Housing and Food Services since 1966, died April 5. He was 58.

Melvin R. Kerstetter, an electrician in the Office of Physical Plant, died April 7. He was 49. A native of Milheim, Mr. Kerstetter joined the staff as a maintenance man in 1949.

Teleconference

(Continued from page 1)

responsibility to make that option and knowledge about that option known to as many people as we can."

Student Mir—Dr. Boyer: "The Carnegie Report predicts that by 1990 the student population on campus will have changed by 50 percent. We'll have more minorities, women and adult students. But our faculty will look the same. There is a built-in tension between a changing student body and a faculty living in the past. One of the greatest challenges of our institutions will be their ability to adapt to this." **Dr. Pelton:** "The faculty we have is the one we're going to have. We have to focus on faculty development programs to deal with this issue."

Financial Aid—Dr. Kayser: "Our current situation is not very favorable. Those students who need help should be able to get more than the present system allows." **Dr. Pelton:** "We have in place the kind of financial aid system that will persist in the 1980s, and I think we'll get our fair share in a very tough time. I'm not sure what will happen in the next six months or a year, but I'm optimistic over the long run."

Remedial Courses—Dr. Boyer: "Remedial courses in the college curriculum are a necessity at present but in the long pull are not the solution to a difficult problem. We have to remember that we're building on 12 years of study. We have an obligation, not just in remediation, but in helping strengthen the secondary school programs. And we have to start the dialogue."

Public Confidence—Dr. Pelton: "We have to acknowledge a new kind of reality—the need for more accountability, more integrity, more openness and candor in what we're trying to do. We've lost some public confidence, as other institutions have, but I'm still impressed with the comments and reports on higher education that I've gotten throughout the country."

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division at 865-1387 (network line 075-1387). Applications for these staff vacancies will be accepted until 5 p.m., April 24, 1980. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

EDITORIAL ASSISTANT—CONTINUING EDUCATION, University Park Writes and assists in editing news releases, articles, brochures, course information flyers, on-air scripts and on-air promotional material; prepares weekly program schedule for distribution to cable stations, newspapers, etc.; assists in needs assessment and development of new services. Bachelor's degree in journalism, English or related field and six to twelve months of effective experience in writing and editing television or similar material. An associate degree and one to two years' effective experience may be substituted. THIS IS A FIXED TERM POSITION. FUNDING MAY NOT BE AVAILABLE AFTER EXPIRATION DATE OF MARCH 15, 1981.

ASSISTANT SUPERVISOR, OUTDOOR FIELDS AND GOLF COURSE—COLLEGE OF HEALTH, PHYSICAL EDUCATION, AND RECREATION, University Park Aid Golf Course Supervisor in carrying out general operations of the golf courses and athletic fields which include: care and maintenance of trees, hedges, flowers and trees; golf courses, competitive fields, practice fields, ID fields, football parking areas, and tennis courts, and the tasks inherent to such maintenance. Also includes making general and specific work assignments, organizing work crew for daily functioning, ordering chemicals, fertilizer and supplies, etc. Associate degree in agronomy-turf management or equivalent of 3-4 years of effective experience, displaying supervisory and technical competence in golf course maintenance, landscape maintenance, grounds keeping and turf grass development operations.

Honors Program

(Continued from page 1)

named a Fellow of the American Society of Mechanical Engineers in 1978 and is currently ASME vice-president-elect.

The Penn State Symphonic Wind Ensemble, under the direction of Smith Toulson, will present a musical program featuring Persichetti's "A Lincoln Address" and provide musical accompaniment for the academic procession, recession and Penn State Alma Mater.

President Oswald will offer welcoming comments, and Provost Eddy will introduce the platform party of deans and Campus directors. Dr. Robert E. Dunham, vice president for undergraduate studies, will recognize honored students. Drs. Oswald, Eddy and Dunham will greet students and guests at an informal reception in the front lobby of Eisenhower Auditorium following the program.

Research subjects sought

To assist in a research project at the Human Performance Laboratory, women are needed who are under 40 years old, at least 150 pounds overweight and at present inactive physically. They will be asked to participate in an exercise program in conjunction with a sleep research study. Anyone interested should contact Sue Jennings at 865-3453.

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Beyer talk a highlight of Sigma Xi's 50th celebration

Dr. Karl H. Beyer Jr., visiting professor of pharmacology at Hershey and former senior vice president for research at Merck Sharp & Dohme Research Laboratories, will deliver a lecture marking the 50th anniversary of Penn State's Sigma Xi Chapter at 8 p.m. Thursday, April 24, in Room 112 Kern Building.

His topic is "Hypertension: Here and Now."

The Penn State Chapter will also mark its anniversary by initiating new members and honoring all of its emeriti ones, according to Chapter President Rosemary Schraer, professor of biochemistry and assistant provost. Seven members of the committee which petitioned the national society for a charter in 1930 are still alive. They are John Aston, Howard O. Triebold, David C. Duncan, Julia Haber, Isadore Sheffer, William Henning and Orrin Frink.

Dr. Beyer, a member of the National Academy of Sciences, is recognized internationally for his contributions in the areas of cardiovascular-renal research, the metabolism of drugs, the enzymatic basis

for cellular transport mechanisms, the toxicology and safety assessment of drugs, and clinical pharmacology.

The author of more than 180 publications, Dr. Beyer was awarded an honorary D.Sc. from the University of Wisconsin, where he earned both M.D. and Ph.D. (physiology) degrees. He is also the recipient of an Albert Lasker Special Award from the Albert & Mary Lasker Foundation.

The Penn State Chapter of Sigma Xi is issuing a special booklet, "50 Years of Progress," describing its history in the context of research at Penn State and in the nation.

According to the booklet, the national society was founded in 1886 at Cornell with the motto "Friendship in Science." Penn State's chapter was the fourth in the Commonwealth, preceded by Penn in 1899 and Swarthmore and Lehigh in 1928.

Over the years, the Penn State Chapter has been a strong advocate for research at the University. The booklet notes: "Selection of an individual for membership is recognition of either

research potential or research achievement. The chapter continues to emphasize that Sigma Xi is not only a 'recognition society' but considers itself a special task force of scientists selected by their peers and pledged to work in support, not only of their own sphere of inquiry, but of all scientific research."

Penn State, with 979 active members, is the largest and one of the most active chapters in the Society, according to Dr. Schraer. Graduate students, faculty members and alumni are eligible for membership.

The lecture series, begun in 1946, has brought a selection of distinguished researchers to University Park in a wide variety of scientific fields.

Speakers have included such luminaries as Konrad Lorenz, B.F. Skinner and Peter Dabrye.

Since 1972, the Penn State Chapter has presented a Sigma Xi research award for outstanding research by a graduate student. Recipients receive a plaque and a \$250 check.



Folk dancers will perform at Festival.

Authors, researchers, musician to speak on campus

Mark Harris in residence

Novelist Mark Harris will be in residence at the University the week of April 20. Mr. Harris is the author of *Wake Up, Stupid*, *Bang the Drum Slowly*, *It Looked Like For Ever*, and the nonfiction *Short Work of It*.

Widely acclaimed both for his fiction and nonfiction books, he also is the author of a television adaptation of Mark Twain's *The Man That Corrupted Hadleyburg*; a play, *Friedman and Son*; and a recently published, one-volume abridgement of Boswell's journals, the *Boswell Reader*. He is professor of English at the University of Pittsburgh.

In addition to classroom visits and seminars, Mr. Harris will give two public evening talks, one on sports and literature at 7 p.m. on Wednesday, April 23, and the other, an English Colloquium reading and discussion of his work, at 8 p.m. on Thursday, April 24. Both will be in Room 101 Kern Building.

At 9:30 a.m. on Tuesday, April 22, he will meet students and faculty members for coffee in Room 320 HUB. He will address two sports seminars, open to all, on Wednesday, April 23. For the first, at noon in Room 104 White Building, his topic will be "Insights into the Creation of a Sport Novel." For the second, at 2:20 p.m. in Room 2 White, he will speak on "The Imaginative Creation of Sport Heroes and Myths."

Mr. Harris's visit to Penn State is sponsored by the Institute for the Arts and Humanistic Studies, the College of the Liberal Arts and the College of Health, Physical Education, and Recreation.

Women's issues focus of three colloquia

Nine prominent researchers on women's issues will speak at the University on Thursday, April 24, in three interdisciplinary colloquia on women. The nine are members of the 1980 executive committee of the American Psychological Association's Division 35 (Psychology and Women).

Their visit to the University is made in conjunction with an executive committee meeting hosted by Dr. Carolyn Wood Sherif, professor of psychology and president of the Division.

The colloquia will cover three topics. The morning session, from 9:30 a.m. to noon in Room 102 Chambers Building, will deal with "Sex-related Cognitive Differences." The afternoon session, from 2 to 4:30 p.m. in the same room, will cover "Feminist Approaches to Clinical Problems."

The topic for the evening session, from 7:30 to 10 p.m. in Room 102 Forum Building, will be "Career Couples and

Achievement in the World Today." All are open to the public.

In addition to Dr. Sherif, Dr. Audrey Rodgers, coordinator of the Women's Studies Option and associate professor of English, and Frieda S. Rosen, instructor in labor studies, will take part in the program.

The guest speakers are: Irene Hanson Frieze, University of Pittsburgh; Lucia Albino Gilbert, University of Texas at Austin; Rachel T. Hare-Mustin, Villanova University; Carol Nagy Jacklin, Stanford University; Anne Petersen, Michael Reese Hospital and the University of Chicago; Nancy Felipe Russo, American Psychological Association and American University; Julia Sherman, University of Wisconsin at Madison; Barbara Strudler Wallston, Vanderbilt University; and Martha Schuch Mednick, Howard University.

Pulitzer Prize-winner to read

Prize-winning poet and translator W.S. Merwin will read from his work at a Department of English Colloquium in Room 101 Kern Bldg. at 8 p.m. on Monday, April 21. His visit is also sponsored by the Institute for the Arts and Humanistic Studies.

A translator of many works from French and Spanish, Mr. Merwin received the Pulitzer Prize for his poems collected in *A Carrier of Ladders* (1971). Other books include *The Dancing Bears*, *The Drunk in the Furnace*, *The Moving Target* and *A Mask for Janus*.

Evolution of writing to be discussed

Denise Schmandt-Besserat, assistant professor of art at the University of Texas at Austin, will present an illustrated lecture on "A Recording System Based on Tokens Prior to Writing" at 8 p.m. Tuesday, April 22, in Room 101 Kern Graduate Building.

Her talk is sponsored by the Central Pennsylvania Society of the Archaeological Institute of America.

Prof. Schmandt-Besserat is acclaimed for her work in strengthening the hypothesis of German archaeologist Julius Jordan that the written characters on clay tablets of the ancient Near East evolved in form and meaning during the fourth millennium B.C. from the three-dimensional tokens impressed on tablets for record-keeping.

A graduate of the Ecole du Louvre in Paris, she came to the University of Texas from Harvard, where she was a Peabody Museum Research Fellow.

How the Globe was built

C.W. Hodges, an expert on the architecture of Shakespeare's theatre, will

give an illustrated public lecture on "Reconstruction of the Globe Theatre" at 7:30 p.m. Thursday, April 17, in Room 112 Chambers Building. Currently, Dr. Hodges is coordinating the building of a replica of Shakespeare's Globe playhouse on the campus of Wayne State University.

His books on the subject, *The Globe Restored*, *Shakespeare's Theatre and Shakespeare's Second Globe*, describe the research and creative interpretation that have gone into the project. His visit is sponsored by the Institute for the Arts and Humanistic Studies and the Departments of Theatre and Film and of English.

Two speakers to visit for Medieval Studies Week

A.C. Spearing, director of Studies in English at Queens College, Cambridge, and Alexander Kazhdan, a Byzantine studies specialist of Harvard's Dumbarton Oaks, will be guests at the University from April 23-26. Their visit is in conjunction with the annual Medieval Studies Week, which this year has been designated an official 125th anniversary event.

Prof. Spearing, a specialist in medieval English literature, will give an English Colloquium lecture on Chaucer and the Chaucerians at 8 p.m. on Wednesday, April 23, in Room 101 Kern Building.

Prof. Kazhdan, a recent emigrant from the Soviet Union, will address the History Colloquium at 3:30 p.m. on Thursday, April 24, in Room 124 Sparks Building. His topic will be "The Application of the Methodology of 'Western Medievalists' to the Study of Byzantine History." At 3 p.m. on Friday, April 25, Prof. Kazhdan will speak in Room 306 Burrows Building on "The Role of Byzantine Studies in the Intellectual Life of the Soviet Union."

Prof. Spearing's publications include *Criticism and Medieval Poetry*, *An Introduction to Chaucer*, and most recently, *Medieval Dream-Poetry*.

Prof. Kazhdan previously was affiliated with the Byzantine History Section of the Institute of World History, the major historical research group of the Academy of Science of the USSR in Moscow.

Composer to describe work

Kenyon Emrys-Roberts, British composer and conductor for the electronic media, will be in residence at the University the week of April 20. Composer of the music for public television's popular series, *Poldark*, Mr. Emrys-Roberts will be a guest of the Institute for the Arts and Humanistic Studies.

He will give a Comparative Literature Luncheon talk, which is open to the public, at 2 p.m. on Tuesday, April 22, at the Hotel State College. His topic will be "Composing for Count Dracula."

Festival to honor Slavic contributions

Slavic contributions to American culture will be celebrated at the Second Annual Penn State Slavic Folk Festival to be held Thursday, Friday and Saturday, April 24-26, in the HUB Ballroom.

Sponsored by the Department of Slavic Languages, the Festival will be open from 9 a.m. to 10 p.m. Thursday and Friday and 9 a.m. to noon on Saturday.

According to Lorraine Kapitanoff, assistant professor of Russian and Festival coordinator, the event is designed to showcase the music, dances and folk arts of the various Slavic peoples whose descendants form a large part of Pennsylvania's population. The spring festival format was chosen in keeping with the spring rituals common to all Slavic cultures.

The Festival has been designated an official University 125th anniversary celebration event in recognition of the many contributions of the Slavic peoples to the Commonwealth.

The periphery of the Ballroom will be ringed with exhibits of Ukrainian, Polish, Czech, Slovak, Russian, Serbian, Croatian, and Slovenian folk arts and artifacts. Costumed guides will be present to lecture and answer questions about these displays.

Slide shows on Russia, Poland and Yugoslavia will be presented continuously throughout the Festival. A day-long series of Russian, Polish and Yugoslav films will be shown free of charge in the HUB Assembly Room, including the feature film, *The Cranes Are Flying*.

Additional folk art items and graphics will be shown in cases throughout the HUB Lobby, while the Terrace Room will feature special Slavic dishes on its April 24-25 lunch and dinner menus.

Special performances will be scheduled at intervals throughout the Festival. These will include a variety show with dancers, vocalists and instrumentalists.

The Penn State Slavic Chorus, the Ukrainian Club Chorus, a strolling accordionist, clowns and a juggler will entertain. Icon painting and Easter egg decorating will be demonstrated. According to Dr. William Schmalstieg, professor and head of the Department of Slavic Languages, Festival entertainment will appeal to all age groups.

Among the Festival coordinators are five members of the Department of Slavic Languages — Professors Thomas Magner, Sigmund S. Birkenmayer and Joseph Pasternak, and Assistant Professors James J. Gebhard and Linda J. Ivanits.

Arts Festival will offer "Black Perspectives on the '80s"

"Black Perspectives on the Eighties" is the theme for the ninth annual Black Arts Festival at the University, April 18-24.

The week's events "will explore the major questions of this decade and give a broad overview of what blacks can expect," according to Elmore M. Browne, director of the Paul Robeson Cultural Center and a coordinator of the festival.

An address by Dr. Loretta Long, the actress adores as Susan on PBS's *Sesame Street*, will open the festival at 8 p.m. Friday, April 18, in the Frizzell Room of the Eisenhower Chapel. Her lecture, "The Need for Excellence in the Academic Setting," is part of a colloquium sponsored by the Pennsylvania Commission for United Ministries in Higher Education; the colloquium will deal with UMHE's Advisory Committee for the Ministries to Blacks in Higher Education.

On Saturday, April 19, black theologian Dr. James Cone will speak on "Black Liberation Theology and Its Implications for Blacks in Higher Education" at 1:30 p.m. in the Frizzell Room of Eisenhower Chapel.

Also on Saturday, from noon to 5 p.m., Penn State's black organizations will present a "Cultural Bazaar" in the Pollock area quad to explain their purposes.

At 8 p.m. Saturday, jazz pianists Lonnie Liston Smith and Dexter Wansel will perform in Eisenhower Auditorium. Tickets will be on sale at the HUB desk and at the auditorium.

On Sunday, April 20, Dr. Cone, who is professor of theology at Union Theological Seminary, will deliver a sermon for the service at 11 a.m. in Eisenhower Chapel. Dr. Cone will be on campus to participate in



Griote Alihaji Bai Konte (right) and his son, Dembo, will play their koras April 23.

the UMHE's seminar on Ministries to Blacks in Higher Education.

At 2 p.m. Sunday, the gospel choirs of the Beaver Campus and the United Christian Ministries of University Park, as well as the Braddock Gospel Choir from Pittsburgh, will perform at Schwab Auditorium.

"Caribbean Experience, 1980" will be presented by the Caribbean Students Association from 6 p.m. Sunday to 1 a.m. Monday in the Paul Robeson Cultural Center. A dinner featuring foods from the Caribbean will be held from 6 to 8 p.m. at a cost of \$2.50. A cultural show of music,

dance and poetry from members of the association will follow dinner. A skit depicting life in the Caribbean will be featured, followed by a live steel band performance and an exhibition of limbo dancing. A Caribbean-style "jump-up" or dance also will be held from 10 p.m. to 1 a.m. with Caribbean and steel band music.

The events on Monday, April 21, will focus on the talents of Penn State students. They will produce the Lewis Waters play, *Who Are You to Tell Me?*, at 7:30 p.m. in the Cultural Center. A Black Talent Show will begin at 9:30 p.m. in the Cultural Center.

On Tuesday, April 22, the festival's keynote speaker, Dr. Frances Crest-Welsing, the Washington, D.C., psychiatrist who formulated the controversial color confrontation theory, will talk at 8 p.m. in Schwab Auditorium. A reception for her will be held in the Cultural Center after the lecture.

On Wednesday, April 23, Mandinkian griots Alihaji Bai Konte and his sons, Dembo and Ma Lamin, will play the kora, the 21-stringed instrument reputed to be the forerunner of the banjo, at 8:30 p.m. in the Cultural Center. Mandinkian griots, or bards, maintain the oral histories and musical traditions of many West African societies.

On Thursday, April 24, the festival will end on a futuristic note with the 11 Symposium on Black Perspectives in the Eighties" at 8 p.m. in the HUB Lounge. The symposium will bring together Dr. Barbara Sizemore, Michael Thelwell and Stokely Carmichael.

Dr. Sizemore, a well known educator, is associate professor of literature at the University of Pittsburgh. Michael Thelwell, an instructor at the University of Massachusetts at Amherst, is the former director of Amherst's W.E.B. DuBois Department of Afro-American Studies. Stokely Carmichael, former leader and spokesman for the Student Non-violent Coordinating Committee, now heads the All-African Peoples Revolutionary Party.

The various programs are being sponsored by the Black Studies Program, the Institute for the Arts and Humanistic Studies, the College of Arts and Architecture, the College of the Liberal Arts and the Paul Robeson Cultural Center. Admission to the programs is free unless noted otherwise.

Arts Roundup

Ohlsson concert April 26

The internationally known pianist, Garrick Ohlsson, will perform in Eisenhower Auditorium on Saturday, April 26, at 8:30 p.m.

His program, sponsored by the Artists Series, will include Beethoven's *Sonata in E-flat Major*, opus 27, no. 1; Schubert's *Sonata in C minor*, opus posthumous; Schoenberg's *Five Pieces*, opus 23; and Liszt's "Valse Opulente no. 2," "Apparition no. 1," and the third of the "Transcendental Etudes."

Mr. Ohlsson studied at the Juilliard School of Music with Rosina Levine and Sasha Gordinitzki. In 1970, a then-unknown pianist, he became the first American to win the prestigious Chopin International Piano Competition in Warsaw, Poland. Following the competition, he made his debut with the Philadelphia Orchestra and shortly thereafter was invited to perform at the White House.

Since then, Mr. Ohlsson has won two more international awards, the Italian Busoni Prize and the Montreal International Piano Competition. He has appeared as soloist with the Boston Symphony, the New York Philharmonic, the London Symphony, the Royal Philharmonic, and other major orchestras.

Tickets for the concert, the last in the Music Series, will go on sale at the HUB Booth and the Eisenhower Auditorium box office beginning Tuesday, April 22, from 9 a.m. to 4 p.m. Phone orders on Master Charge or Visa will be accepted at 863-0255.

Works by Tanner, Pippin exhibited at HUB Gallery

The works of two eminent Pennsylvania artists, Henry O. Tanner and Horace Pippin, are on exhibit at the HUB Gallery. Henry Ossawa Tanner, born in Pittsburgh in 1859, was the first black American painter to gain international

fame. As a youth, he could find no one willing to teach him drawing and painting, but eventually he was accepted into the Pennsylvania Academy of the Fine Arts, which at that time had some of the finest teachers in America.

Horace Pippin was born in West Chester in 1888 and had no formal art training. He lost the use of his right arm as a result of wounds suffered during World War I. During his enforced idleness, he came upon the idea of burning drawings into wood with a hot poker and then painting over them. This he accomplished by supporting his lame right arm with his left hand.

He was discovered in 1937 by N.C. Wyeth, the famous illustrator, and Dr. Christian Brinton, an art critic. Both recognized the work they saw in the window of a shoe repair shop in West Chester as that of a self-taught genius of color and design.

Pippin and Tanner "achieved in spite of obstacles which might have thwarted lesser individuals," says Elmore M. Browne, director of the Paul Robeson Cultural Center and coordinator of the exhibit.

The Penn State exhibit was made possible by the loans of paintings from the Hirshhorn Museum and Sculpture Garden, and the Museum of African Art, both part of the Smithsonian Institution; the Whitney Museum of American Art; the Pennsylvania Museum of the Fine Arts; the William Penn Museum; the Phillips Collection; Bryn Mawr College; Hampton Institute; Howard University; Morgan State University; and private collections.

Pepé show at Museum

An exhibit of recent works on paper by Diane Pepe, assistant professor of art, will be seen at the Museum of Art through June 1.

Prof. Pepe's work—whether drawing, print or collage—employs the line as the fundamental unit for architectural compositions which, she says, "attempt to express the essential nature of things

rather than imitate their external form."

Her work has been exhibited throughout the United States, most recently in a juried exhibition at the William Penn Memorial Museum in Harrisburg. An edition of her prints was purchased by the U.S. Information Agency to be exhibited as part of a group show in embassies abroad.

A native of New York City, Prof. Pepe received her B.F.A. from Carnegie-Mellon University, where she studied painting and sculpture. She earned her M.A., with an emphasis in lithography, from the University of New Mexico. She joined the University in 1975, teaching courses in lithography, intaglio, relief printing, drawing and hand papermaking.

Tickets on sale for "The Taming of the Shrew"

Tickets are now on sale for William Shakespeare's *The Taming of the Shrew*, University Resident Theatre Company's final presentation of its inaugural season.

URTC's production will run May 1-3, 6-10, and 13-17 in the Playhouse, with the curtain at 8 p.m. Tickets may be reserved at the URTC box office in the Arts Building lobby or by calling 814-865-1884.

Kate will be played by Katherine Houghton, best remembered for her role opposite her aunt Katherine Hepburn in the Oscar winning film, *Guess Who's Coming to Dinner*. Her most recent television appearance was as Nabby Adams in PBS' *The Adams Chronicles*.

Ken Jenkins, who founded the Pilgrims Repertory Company with Ms. Houghton, will portray Petruccio. He has been seen on TV in the film, *Centennial*, and in a musical adaptation of Feydeau's "In Fashion" for PBS' "Theatre In America" series.

Bill Preston, who played Grandpa in URTC's production of *You Can't Take It With You*, will be returning as Grumio, Petruccio's servant.

Scenic design for this production is being executed by Robert O'Hearn, resident scenic designer for the Metropolitan Opera Company.

Program features Persichetti

Several works by Pennsylvania composer Vincent Persichetti have been selected for a concert by the Penn State Symphony Wind Ensemble at 8:30 p.m. Friday, April 18, in the Music Building Recital Hall.

The wind ensemble will perform Persichetti's four-movement Symphony for Band, opus 69, as well as ballet music from "Prince Igor" by 19th century composer Alexander Borodin.

The remainder of the program is composed of 20th century works: Robert Starer's "Stone Ridge Set" and John Barnes Chance's "Incantation and Dance." The program will conclude with "Punchinello" (1973), "Overture to a Romantic Comedy" by Alfred Reed.

Alard Quartet to play

The Alard String Quartet will present the final campus concert of its 25 anniversary season at 8:30 p.m. Wednesday, April 23, in the Music Building Recital Hall.

The performance will open with Joseph Haydn's Quartet in G Major, opus 54, no. 1, followed by Sir William Walton's Quartet in A Minor, and conclude with Schumann's Quintet for Piano and Strings in E-flat Major, opus 44. In the final piece pianist Steven Smith, associate professor of music, will be the accompanist.

The Quartet is composed of violinists Joanne Zagst Feldman and Donald Hopkins, violist Raymond Page and cellist Leonard Feldman.

Concertino Players concert

The Concertino Players will present a concert at 8:30 p.m. Monday, April 21, in the Music Building Recital Hall.

Arthur Honneger's Concerto da Camera will open the program, followed by the Duo for Flute and Oboe by Gordon Binkerd and the Sonata for Flute and Piano by Alec Wilder.

The Concertino Players are Assistant Professor Monte Bedford, oboist and English hornist; Diane Gold, flutist, alto flutist and piccolist; and Phyllis Triolo, pianist.

University Park Calendar

April 17-27

Special Events

Thursday, April 17

FSHA 410, Northern Italian Dinner, 5:45, 6 and

6:15 p.m., Maple Room, Henderson.

Reservations, 865-7441 or 238-8331.

Cinemathèque, Fellini, *Satyricon*, 6:30 and 8:30

p.m., HUB Assembly Hall.

IAHS/English/Theatre Lecture, 7:30 p.m.,

Room 112 Chambers, C. Walter Hodges,

illustrator, author and leading authority on

Shakespeare, on "The Reconstruction of the

Globe Theatre."

*College of Science, Mueller Lecture, 8 p.m.,

Room 117 Osmond. John Bardeen, Nobel

laureate, Univ. of Illinois, on "The Early

Days of the Transistor."

IAHS/Interdisciplinary Graduate Program in

Humanities Lecture, 8 p.m., Room 112

Walker, Alessandra Comini, art historian,

SMU, on "The Fantastic Art of Vienna."

Kern Theatre, student preview, 8 p.m., Room

112 Kern.

Linguistics/Anthropology/Slavic Languages

Lecture, 8 p.m., Room 167 Bellard. Michael

Silverstein, Univ. of Chicago, on "On

Saying That... in Chinoak."

Naisds Water Show, "That's Water/Entertainment," 8

p.m., Natatorium.

Friday, April 18

Faculty-Graduate Seminar on Wittgenstein's

Vienna, 3:30 p.m., Room 101 Kern.

Alessandra Comini, art historian, SMU, on

"Vienna and Its Artistic Connections."

Geography Dept. Coffee Hour, 3:45 p.m.,

Room 319 Walker. William Duiker, East

Asian history, on "How They Work:

Comments on the Communist Victory in

Yan Nam."

9th Annual Black Arts Festival Lecture, 8 p.m.,

Frizzell Room, Eisenhower Chapel, Dr.

Loretta Long, actress and educator, on "The

Need for Excellence in the Academic

Community."

Kern Theatre, "Starting Here, Starting Now,"

musical review, 8 p.m., Room 112 Kern.

Naisds Water Show, "That's Water/Entertainment," 8

p.m., Natatorium.

Penn State Symphonic Wind Ensemble, 8:30

p.m., Music Bldg. Recital Hall.

Saturday, April 19

Phi Psi 500.

Black Arts Festival, Cultural Bazaar, noon-5

p.m., Pollock Area Quad; Dr. James Cone,

Union Theological Seminary, on "Black

Liberation Theology and Its Implications for

Blacks in Higher Education," 1:30 p.m.,

Frizzell Room; Chapel: Lonnie Liston Smith

and Dexter Wansel, jazz pianists, 8 p.m.,

Eisenhower Auditorium.

Model Railroad Club, auction, 1 p.m., Room

301 HUB.

Sports: baseball vs. Howard (double header), 1

p.m., lacrosse (women) vs. West Chester, 2

p.m., lacrosse (men) vs. Rutgers, 7 p.m.

Kern Dinner Theatre, dinner, 6:30 p.m., Room

102 Kern. "Starting Here, Starting Now," 8

p.m., Room 112 Kern.

Naisds Water Show, "That's Water/Entertainment," 8

p.m., Natatorium.

Artists Series, Beaux Arts Trio, 8:30 p.m.,

Schwab.

Sunday, April 20

"Eco-Action, Earth Day" 80, HUB Lawn and

Hetzel Union Bldg.

University Chapel Service, 11 a.m., Frizzell

Room. Eisenhower Chapel, Dr. James Cone,

Union Theological Seminary, New York

City, speaker.

Sports: baseball vs. St. Francis (double header),

1 p.m.

Black Arts Festival: Unity Christian Campus

Mystics. Beaver Campus and Bradnock

Coastal Choirs Concert, 2 p.m., Schwab.

Caribbean Dinner, 6-8 p.m., and Cultural

Show to 1 a.m., Robeson Cultural Center.

Kern Dinner Theatre, dinner, 6:30 p.m., Room

102 Kern. "Starting Here, Starting Now," 8

p.m., Room 112 Kern.

Naisds Water Show, "That's Water/Entertainment," 8

p.m., Natatorium.

Talent, 9:30 p.m., both, Robeson Cultural

Center.

Color Slide Club meeting, 7:30 p.m., Room 189

English Research Lab.

Materials Colloquium, 8 p.m., Room 101 Kern.

W.S. Merwin, prize-winning poet and

translator, reads from his work.

Monte Bedford, oboe; Diane Gold, flute; and

Phyllis Triolo, piano, 8:30 p.m., Music Bldg.

Recital Hall.

Tuesday, April 22

Gallery Talk, 10-10:30 a.m., Museum of Art.

Richard W. Pencak, on "American Furniture

Types, 1650-1830."

Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Hotel

State College. Kenyon Enyes-Roberts,

English composer, on "Composing for

Count Dracula."

Sports: softball vs. Lock Haven (double header),

2 p.m.; tennis (women) vs. Bucknell, 3 p.m.

Comp. Lit. Music Common Hour, 4 p.m., Music

Bldg. Recital Hall.

Comp. Lit. Film Series, Camus, *Black Orpheus*,

7 and 9 p.m., Room 112 Kern.

Archaeological Institute of America Lecture, 8

p.m., Room 101 Kern. Denise Schmandt-

Besser, Univ. of Texas, on "A Recording

System Based on Tokens Prior to Writing."

Black Arts Festival Lecture, 8 p.m., Schwab. Dr.

Frances Crest-Wieling, Washington D.C.

psychiatrist and formulator of "color

confrontation theory," speaker.

Wednesday, April 23

IAHS/Collages of LA and HPER Lectures:

Mark Harris, sports novelist, Univ. of

Pittsburgh, on "Insights into the Creation of

a Sport Novel," noon, Room 104 White;

"The Imaginative Creation of Sport Heroes

and Myths," 2:20 p.m., Room 2 White;

"Sport and Literature," 7 p.m., Room 101

Kern.

Sports: baseball vs. Mansfield, 3 p.m.

Music in Interesting Times Lecture, 3 p.m.,

Music Bldg. Recital Hall. Bruce Trinkle,

music, and Patricia Heigel-Tanner, dance, on

"The Relationship of Music and Dance to

Society."

English Colloquium, 8 p.m., Room 102 Kern.

A.C. Spouting, Queens College, Cambridge,

on "Chaucer and the Chaucerians."

Shakespeare film, *Henry V* (BBC), 8 p.m., Room

304 Boucke.

Alard String Quartet, 8:30 p.m., Music Bldg.

Recital Hall.

Black Arts Festival, Mandinka kora players

from Gambia, 8:30 p.m., Robeson Cultural

Center.

Thursday, April 24

Gentle Thursday, all day, HUB Lawn

(tentative).

*Slavic Folk Festival, 9 a.m.-10 p.m., Hetzel

Union Bldg.

Interdisciplinary Colloquia on Women: "Sex

Related Cognitive Differences," 9:30 a.m.-

noon, Room 102 Chambers; "Feminist

Approaches to Clinical Problems," 2-4:30

p.m., Room 102 Chambers; "Career Couples

and Achievement in the Work World,"

7:30-10 p.m., Room 102 Forum.

Sports: tennis (men) vs. Bloomsburg, 3 p.m.

*Nutrition Program, George Barron Memorial

Lecture, 4 p.m., Room 5-209 Henderson.

Hector DeLuca, Univ. of Wisconsin,

discusses current aspects of his work in

vitamin D metabolism.

*Medieval Studies Banquet. Awards to winners

of annual Medieval Studies Essay Contest, 6

p.m., Maple Room, Henderson. Advance

reservations necessary, 865-5481.

Cinemathèque, *Chinatown*, 6:30 and 9 p.m.,

Room 105 Forum.

Sigma Xi Lecture, 8 p.m., Room 112 Kern. Karl

H. Beyer Jr., Hershey visiting professor and

former senior vice president for research,

Merck, Sharp & Dohme, on "Hypertension:

Here and Now."

Black Arts Festival Symposium, 8 p.m., HUB

Lounge. Dr. Barbara Sizemore, literature,

Univ. of Pittsburgh; Michael Thelwell,

Univ. of Massachusetts and editorial board,

Black African Magazines: Stokely

Carmichael, A.A. African Peoples

Revolutionary Party, speakers.

English Colloquium, 8 p.m., Room 101 Kern.

Mark Harris, author and professor, Univ. of

Pittsburgh, reads from and discusses his

work.

Friday, April 25

*Slavic Folk Festival, 9 a.m.-10 p.m., Hetzel

Union Bldg.

College of Business Administration, William

Elliott Lecture, 9:45 a.m., Room 112 Kern.

Thomas E. Murphy, chairman, General

Motor, speaker.

*Medieval Studies Lecture, 3 p.m., Room 306

Burrows Bldg. A. Kazhdan, Dumbarton

Oaks, on "The Role of Byzantine Studies in

the Intellectual Life of the Soviet Union."

Sports: tennis (men) vs. Maryland, 3 p.m.

Geography Dept. Coffee Hour, 3:45 p.m.,

Room 319 Walker. Wilbur Zelensky,

geography, on "The Season of Marriage."

Commonplace Theatre, Roman Polanski,

Festival, Knife in Water, 6 p.m., Cul de Sac,

7:30 p.m.; *Repulsion*, 9:30 p.m., Room 112

Kern. Also April 27.

Folk and Square Dance Roundup, 7:30 p.m.,

Room 133 White.

Saturday, April 26

*PSU Veterans, Statewide Softball Tournament.

*Little International Livestock Exposition, 8

a.m.-4 p.m., University Bldg./Sleep Center.

Sports: golf (men), Nittany Lion Invitational, 8

a.m., through April 27, baseball vs. St.

John's (double header), 1 p.m.; lacrosse

(women) vs. Rutgers, 2 p.m.

*Slavic Folk Festival, 9 a.m.-noon, Hetzel Union

Bldg.

School of Music, Frances Andrews

Competition, 10 a.m., Eisenhower Chapel.

France-Cinema, *The Story of Adele H.*, 7 and 9

p.m., Room 112 Kern.

Artists Series, Garrick Oldshouse, pianist, 8:30

p.m., Eisenhower Auditorium.

Sunday, April 27

University Chapel Service, 11 a.m., Schwab

Auditorium. Chapel Choir Choral Festival,

Raymond Brown, director.

Penn State Concert Band Band Spring Concert,

featuring Robert Nagel, trumpet, 3:30 p.m.,

Eisenhower Auditorium.

Evening with the Arts, Tim Eyermann and the

East Coast Offering, jazz-rock, 8:30 p.m.,

HUB Ballroom.

Mark Dennis, organ, 8:30 p.m., Music Bldg.

Recital Hall.

Seminars

Thursday, April 17

Agricultural Engineering, David C. Bepler on

"Challenges of Graduate Study and

Research at Ahmadu Bello University,

Nigeria," 4 p.m., Room 248 Ag. Eng. Bldg.

(new listing).

Mathematics, S.R. Sinha, Univ. of Kentucky,

on "Contributions of Ancient Indian

Mathematicians," 4 p.m., Room 103

McAllister (new listing).

Friday, April 18

Analytical Chemistry, Chou-Pong Pao, grad.

student, on "Enthalpic/Entropic Organic

Functional Group Analysis," 11:10 a.m.,

Room 333 Whitmore.

Physical Chemistry, C.H. Wang, Univ. of Utah,

on "Relaxation and Rotation-Translation

Coupling in Viscous-Elastic Liquids and

Disordered Solids by Rayleigh-Briouin

Scattering," 4 p.m., Room 333

Whitmore.

Monday, April 21

Organic/Inorganic Chemistry, Leonard

Interante, General Electric, on "Molecular

Solids with Unusual Solid-State Properties.

Penn State Intercom



Representing the Central Pennsylvania Chapter of the National Secretaries Association, Romayne Weight, secretary in "MC-3B," receives Proclamation from Dr. Oswald.

In recognition of National Secretaries Week, President Oswald has issued the following statement.

Not just for a week but every day of the year I recognize the irreplaceable, significant, absolutely essential contribution of the secretarial staff in the total Penn State endeavor. In my own office I am truly blessed with the finest secretarial support available in that honored professional career. I am delighted to acknowledge this in National Secretaries Week and especially on Secretary's Day, April 23, the Wednesday of the special week.

Public Administration a leader in students selected as Interns

For the second year in a row, Penn State's Institute of Public Administration ranks among the top public administration programs in the country in terms of the number of candidates selected for the Presidential Management Intern program. Five interns and two alternates were selected from the Institute, as well as one intern at the Capitol Campus.

According to Institute Director Robert J. Mowitz, the schools whose public administration programs received four or more Internship awards were: University of Southern California, 16, plus 2 alternates; Harvard — John F. Kennedy School, 9; University of Texas — Lyndon B. Johnson School, 6, plus 1 alternate; Indiana University, 6, plus 1 alternate; New York University, 6, plus 1 alternate; Syracuse — Maxwell School, 6; Penn State — Institute of Public Administration, 5, plus 2 alternates; University of Washington, 5, plus 1 alternate; Princeton, 5; and SUNY-Albany, 4.

The number of nominations is restricted to a percentage of the number of students receiving degrees the previous year. The Institute is the only "program" in the above list which is not a separate graduate school of public affairs or administration. About 200 schools nominated a total of 920 candidates, and 105 schools have received one or more Internship awards. In Pennsylvania, Pitt and Carnegie-Mellon each had three Interns plus one alternate; Temple University received two Internships; and Capitol Campus and Indiana University of Pennsylvania each had one.

(Continued on page 6)

Governor Thornburgh to speak at commencement

Governor Richard Thornburgh will be the speaker at the University's Spring Term Commencement exercises Saturday, May 31, at 10:30 a.m. in Beaver Stadium.

More than 5,000 graduates will receive degrees in the University Park ceremonies. President Oswald will preside and will confer degrees, along with Quentin E. Wood, president of the Board of Trustees, and Provost Eddy.

"I am pleased and honored that Governor Thornburgh will be Penn State's commencement speaker," Dr. Oswald said. "I have been eager for the Governor to participate in this, the largest commencement in the Commonwealth.

"Even more important is the fact that our graduates could have no finer example than Governor Thornburgh. In each of his careers — as private attorney, as public prosecutor and as governor — he has built

his success on a firm foundation of professional excellence and personal integrity."

Elected Governor of Pennsylvania in 1978, Thornburgh has concentrated his administration's efforts on attracting industry to Pennsylvania and on eliminating public corruption.

Born in Pittsburgh in 1932, he received a B.S. in engineering from Yale University in 1954 and a law degree with high honors from the University of Pittsburgh in 1957.

After working for more than a decade as an attorney in the private and corporate sectors, he was appointed U.S. attorney for Western Pennsylvania in 1969, beginning a career that brought him national acclaim for his successful and innovative attacks on organized crime and official corruption.

Thornburgh empaneled the nation's

(Continued on page 5)



Governor Thornburgh

Four Alumni Fellows welcomed



Dr. Hess

Mr. Everett



Dr. Russell

Mr. Huck

Four prominent alumni will be welcomed back next week in the role of Alumni Fellows.

Dr. Carroll V. Hess, dean of the College of Agriculture at Kansas State University; James L. Everett III, president and chief executive officer of the Philadelphia Electric Co.; and Allen S. Russell, vice president for science and technology at Alcoa, will visit University Park to share ideas and professional experience with students, faculty members and administrators.

John Lloyd Huck, president and chief operating officer of Merck & Co., Inc., will visit the College of Medicine at Hershey.

Dr. Hess, a 1948 graduate in agricultural economics, will be at

University Park April 29 through May 2 as a guest of the College of Agriculture.

He has been dean at Kansas State since 1966. An expert on the production economics of agriculture, Dr. Hess frequently is asked to share his expertise with other nations. He recently returned from a two-year assignment as chief of a task force in the Philippines.

In addition to his Penn State degree, he holds master's and doctoral degrees from Iowa State University.

Dr. Russell will be the guest of the College of Science April 29 through May 2.

Dr. Russell earned three degrees at Penn State — his B.S. in 1936, his M.S. in 1937,

(Continued on page 5)

Baker elected to National Academy

Dr. Paul T. Baker, professor of anthropology, has been elected to membership in the National Academy of Sciences.

A member of the faculty since 1957, Dr. Baker has done extensive research in the Peruvian Andes on the adaptation of human beings to high altitudes. He edited the most extensive book on this subject, *The Biology of High Altitude Peoples*, published in 1978 by Cambridge University Press.

The book draws heavily on research undertaken in the International Biological Programme, a ten-year international research effort. Active in planning for this enterprise, Dr. Baker served as International Coordinator of High Altitude Studies and as U.S. Director of High Altitude Research Programs. He was also a member of the executive committee of the U.S. Program.

In recent years, Dr. Baker has been doing research in Samoa on the migration among native populations.

He is a past president of the American Association of Physical Anthropologists

(Continued on page 6)

Hershey scores a "first" while saving patient with heart assist device

A notable "first" — the first patient in the world to have surgeons use a heart assist device to help only the right ventricle or right pumping chamber of the heart, was reported by Hershey surgeons at a meeting of the American Society of Artificial Internal Organs in New Orleans on April 17.

The patient, Lavere Wolf of York, is the second open heart surgery patient to be saved by a heart assist device at Hershey. Surgeons at Hershey were the first in the world to use such a pump successfully with a left ventricular assist device in 1977 following open heart surgery on a 39-year-old central Pennsylvania woman.

The ventricle assist devices are derived from a totally implantable artificial heart being developed by an interdisciplinary research team at the Medical Center and University Park.

Dr. Grant Van P. Parr, assistant professor of surgery and the cardiothoracic surgeon who performed the surgery on Mr. Wolf, explained that the ventricular

assist device is designed to do the work of a patient's heart after surgery or after a heart attack accompanied by shock. By doing the pumping work of the heart, the device allows the heart to rest and recuperate until it can pump blood on its own.

The device has the potential to save some 800 lives each year, according to Dr. William S. Pierce, professor of surgery and the cardiothoracic surgeon who leads the research team that developed the device. That number represents one-half to one percent of all open heart surgery patients who die when their hearts fail to pump blood after they are weaned from heart lung machines following surgery.

"With the present techniques of cardiac surgery, deaths due to poor heart function are becoming increasingly rare; nevertheless, they continue to occur," Dr. Parr said.

Mr. Wolf and his wife were unaware that the heart assist device existed when he was transferred to the Medical Center for surgery during his third encounter with

major heart problems. When he arrived, he was weak, his blood pressure was very low (72/44), and all medical management, including use of a pacemaker to control his heart rhythm, failed to bring him out of a state of shock.

Mr. Wolf's problem, Dr. Parr explained, involved an aneurysm or bulge in the left ventricle caused by weakening of the heart wall. In addition, the coronary arteries that supply blood to the heart were blocked.

Dr. Parr had just finished one open heart operation when the decision was made to immediately begin preparing for emergency surgery on Mr. Wolf. During the operation, Mr. Wolf was on a heart lung machine for one hour and 40 minutes during which his heart was stopped completely for 53 minutes. Dr. Parr's initial attempt to remove his patient from the heart lung machine was unsuccessful, even with the use of an intra-aortic balloon pump to support the pumping action of the left side of the heart, the side that supplies

(Continued on page 5)

Penn Staters

Dr. Yoshio Fukuyama, professor and head of the Department of Religious Studies, was presented an honorary Doctor of Divinity degree on Tuesday, April 22, by The Chicago Theological Seminary. Dr. Fukuyama, who holds a B.D. from the Seminary, also delivered one of three lectures at the Seminary's 125th anniversary celebration this week. His talk was titled "The Leadership of the Church with Emerging Groups."

Irvin Hand, associate professor of state and regional planning at Capitol Campus, has been chosen president-elect of the American Planning Association. The Association is a national organization of 22,000 city and regional planners. Prof. Hand served as executive director of the Pennsylvania State Planning Board from 1964 to 1972. A member of the Capitol Campus faculty since 1967, he held planning posts in Nashville, Tulsa and Westchester County before coming to Pennsylvania. He has a bachelor's degree in social sciences from City College of New York and a master's degree in city planning from the Massachusetts Institute of Technology.

Dr. William DeW. Horrocks Jr., professor of chemistry, gave invited talks at California Institute of Technology, Stanford University, the University of California at Los Angeles, and Kent State University in March. The talks were titled "Laser-Induced Lanthanide Ion Luminescence — A Probe of Structure and Kinetics in Chemistry and Biology." He described his research group's use of lanthanide ions to probe calcium binding — sites of calcium binding proteins and enzymes.

Honored at the 1980 awards banquet of the College of the Liberal Arts were Dr. Michael R. King, associate professor of political science; Dr. Gerard A. Hauser, associate professor of speech communication; Dr. William T. Sanders, professor of anthropology; and Dr. Lois B. Hyslop, professor emerita of Romance languages.

Dr. King was presented the Society's Outstanding Faculty Advisor Award; Dr. Hauser, the Distinguished Teaching Award; Dr. Sanders, the Distinction in the Social Sciences Award; and Dr. Hyslop, the Emerita Distinction Award.

A member of the faculty since 1968, Dr. King has focused his research on political parties, legislative behavior and public policy analysis. Dr. Hauser is associate director of the Graduate Interdisciplinary Program in the Humanities and co-director of the Communication Studies major. Associate editor of the Journal, Philosophy and Rhetoric, he serves on the editorial board of Communication Monographs. In addition, he chairs the Sparks Fellowships Committee and the Committee on the Integrative Program for Scholastic Excellence.

Internationally known for his work on Meso-American cultures and their rise in civilization, Dr. Sanders has done extensive field work in Mexico and Guatemala. Dr. Hyslop was honored for her continued contributions to her discipline, including two books on the French poet, Charles Baudelaire.

Dr. Philippos Loukissas, assistant professor of urban and regional planning in the Man-Environment Relations Program, recently participated in an evaluation seminar of an interdisciplinary research project on the developmental problems of minor Mediterranean Islands. The seminar, held on the Isle of Kerkennah, Tunisia, was sponsored by UNESCO's Division of Human Settlements and Socio-Cultural Environments. Dr. Loukissas, whose research interests include tourism planning and development, was the only participant invited from the United States.

Provost Edward D. Eddy received an honorary doctor of humane letters degree during a special Founders Day Convocation at Juniata College April 17. The Convocation — observing both the College's 104th Founders Day and dedication of its new Charles A. Dana Humanities Cluster — also featured an address by Dr. Eddy, "The Final Test."

In awarding Dr. Eddy his honorary degree, Juniata President Frederick M. Binder cited him for being "a dedicated educator, responsible college and university administrator, and civic-minded citizen." Dr. Binder observed that Dr. Eddy is "a humanist whose many contributions to America's system of higher education reflect (his) overwhelming belief in the worth of the quest for knowledge and truth."

Dr. John C. Johnson, professor of engineering research and director of the Applied Research Laboratory, has been elected secretary of the Governing Board of the American Institute of Physics.

Stephen R. Grecco, associate professor of English, has been selected to participate in the 1980 National Endowment for the Humanities Institute in Contemporary Eastern European Drama and Theatre (Poland and the Soviet Union) to be held this summer for six weeks at the Graduate Center of the City University of New York.

Dr. A. Daniel Frankforter, associate professor of history at Behrend College, has been presented the Class of 1933 Award for Outstanding Contributions in the Field of Humanities.

A medievalist, Dr. Frankforter is the author of a book on church history. He holds an A.B. in philosophy from Franklin and Marshall College, and his M.A. and Ph.D. in history were granted by Penn State in 1969 and 1971, respectively.

Dr. Wayne D. Lammie, director of the Schuylkill Campus, was elected president of the Pennsylvania Association of Two Year Colleges. The election was held following the Thirty-Seventh Annual Convention assembled in Hershey on April 10 and 11. Dr. Lammie served as vice president and program chairman for 1979-80.

Dr. Gordon C. Godbey, professor of adult and higher education, has been elected second vice president of the Pennsylvania Association for Adult Continuing Education. The Association represents more than 500 adult educators in universities, colleges, public schools, labor unions, hospitals, correctional institutions and other agencies.

Dr. Godbey has also been appointed to serve for one year on the National Committee of Sex Equity of the National Association of Public Continuing and Adult Educators. Committee members represent state departments of education, the federal government, professional organizations and women's groups.

David Young, professor and head of landscape architecture, served as an invited juror for the 1980 Professional Awards Competition of the New York State Chapter of the American Society of Landscape Architects (ASLA).

Bookshelf

Dr. Laurie M. Gunter, professor of nursing and human development, is principal author of *Education for Geriatric Nursing*, a 205-page book published recently by Springer Publishing Co. Her co-author is Dr. Carmen A. Estes, a former Penn State faculty member.

The book provides nursing educators in nursing schools and in-service education instructors in hospitals, nursing homes, home nursing programs and long-term care facilities with guidelines for curriculum structure and education resources for five levels of nursing personnel.

It also defines trends, needs and directions for practice, education and research in nursing care of the elderly and, where feasible, makes suggestions and recommendations.

Dr. Carl Thompson, associate professor of behavioral science at Hershey, has authored a new book, *Controls of Eating*, which is part of a series, *Monographs in Pharmacology and Physiology*, co-edited by Dr. Elliot Vesell, professor and chairman of pharmacology at Hershey. Chapter 10 of the book, "Aberrations Accompanying Human Clinical Syndromes," was written by Dr. John Burnside, associate professor of medicine.

Promotions

Staff Exempt

Nancy J. Klosterman to associate director of undergraduate admissions in Undergraduate Admissions.

Staff Non-Exempt

Maureen E. Abernethy to senior psychiatric assistant at Hershey.

Joan L. Coble to administrative aide in President's Office.

Mary A. Neumyer to senior staff nurse at Hershey.

Clerical

Susan K. Condran to secretary C at Hershey.

Peggy L. Conrad to secretary B in Earth and Mineral Sciences.

Tammy E. Evans to clerk, gift records, in Gifts and Endowments.

Deborah E. Griffin to data preparation operator B in Management Services.

Alice A. Haines to acquisitions searcher in Library.

Virginia M. Kephart to clerk typist A in Science.

Nancy G. Parks to secretary C in Agriculture.

Sandra M. Rogus to secretary B in Undergraduate Admissions.

Rebecca S. Ross to receptionist B in Student Administrative Services.

Susan R. Sampsell to secretary C in Liberal Arts.

Nancy R. Winnert to secretary C in Undergraduate Admissions.

Technical Service

David J. Felice to utility worker at Nittany Lion Inn.

Paul D. Fetzler to mailing room assistant in Agriculture.

James Friday to maintenance worker — area landscape in Physical Plant.

Stanley G. Kline to maintenance worker general A at Shenango Valley.

Shirley A. Reichard to residence hall utility worker in Housing and Food Services.

Lilae M. Shope to food preparer B in Housing and Food Services.

Stephen M. Taljan to carpenter A at Capitol.

Obituaries

Dr. David A. Kribbs, who retired as a professor of botany in 1961 after 30 years of service to the University, died April 13 at the age of 84.

A native of Thief River Falls, Minn., Dr. Kribbs earned his B.S. and M.S. degrees at the University of Minnesota and his Ph.D. at Yale. He began teaching at Penn State in 1931 at Mont Alto, moving to University Park in 1941. He was the author of a book, *Commercial Foreign Woods on the American Market*.

Ruth R. Ricker, who served as secretary to the Dean of Men from 1919 to 1954, died April 9. A native of State College, she was 83 years old.

Retirements



William Kosky, a stockroom inventory clerk in the College of Science, retired April 1 after 20 years of service to the University.

When Mr. Kosky first came to Penn State in 1960, he worked as an operator-helper at the Sewage Plant, remaining there for four years before joining the Chemistry Department. He helped set up undergraduate laboratories, handled gas cylinders for the labs and maintained the inventory.

His wife, Sara, is a laboratory attendant in the Department of Dairy and Animal Sciences, and their daughter, Sally, attended Penn State from 1965 to 1967.

Mr. Kosky plans to set aside plenty of time for hunting and fishing and to pursue his electronic hobbies with radio and television now that he's retired.

Geraldine W. Bohn, a residence hall worker for Housing & Food Services, retired from the University on April 1, after 20 years of service.

She joined the University staff on Oct. 1, 1950, as a maid in Hamilton Hall. In 1954, she was transferred to McKee Hall, where she worked for the remainder of her career.

She and her husband, Robert, reside in Boalsburg. They are the parents of two sons and one daughter.

Funding Sources

For further information, call 865-1372

(332-1) The Resource Information Service (RIS) provides information to faculty and staff to support their mission of obtaining project funding for instruction, research, continuing education and for fellowships. RIS is the liaison between Penn State and the Office of Federal Programs (OPF/AASCU), Washington, D.C. OPF provides Penn State with continuous monitoring of public and private agencies. RIS reviews submitted information from numerous sources, including the Federal Register and the Commerce Business Daily, and receives direct mailings from agencies concerning their programs. RIS makes direct (unsolicited) information distributions to faculty and staff to promote awareness of public and private programs; responds to faculty/staff inquiries about programs and contacts; and through a Preliminary Proposal Outline (PPO) mechanism locates support funds. For detailed information about RIS assistance, contact M.R. Kohler, Room 5 Old Main, 865-1372 (Network 8-475-1372).

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New family studies journal is launched at University

If one were to note the major developments in the social sciences during the 1970s, the rapid emergence of family studies would rank near the top of the list. As recently as ten years ago, promising graduate students often were steered away from an academic career in marriage and the family by professors who considered it a low-status specialization, years removed from methodological rigor.

No longer. Virtually all major universities now have specialists in the family. Many, including Penn State, have entire departments in the field, and their classes draw heavy enrollments. Increasing public and governmental interest in the family's role has been a contributing factor. Also important was the advent of computers, which facilitated the statistical and survey research that lies at the heart of the discipline.

Other indicators abound. There are numerous professional meetings each year at which family research is presented, and the prominent professional associations for family research and practice count their collective membership in the tens of thousands. There are now a dozen professional journals in the field, some dealing with theory and research, some with marriage and family therapy, and some focusing on phenomena such as demography and kinship.

The field's newest scholarly publication — the *Journal of Family Issues* — emanates from Penn State's College of Human Development, with Dr. Graham B. Spanier, associate professor of human development and sociology, as editor. The *Journal's* first issue reached more than 1,000 initial subscribers in early April.

"The *Journal* was born because the field was desperately in need of another outlet for good research," Dr. Spanier says. "The leading publications — such as the *Journal of Marriage and the Family* — can accept only 10 percent of the articles submitted."

The idea for a new journal had been discussed for several years by some of the leading authorities in the field — including F. Ivan Nye (Center for the Study of Youth



Dr. Spanier and his editorial secretary, Pam Macron.

Development at Boys Town) and Murray Straus (University of New Hampshire) — and they decided to pursue the idea seriously last year."

After discussing possible sponsorship with the National Council on Family Relations and negotiating with Sage Publications, the group asked Dr. Spanier to accept the editorship of the *Journal of Family Issues*. Though only 31, Dr. Spanier is author or co-author of more than 50 published articles and five books in the area of family sociology. In addition, he recently completed a term on the editorial board of the *Journal of Marriage and Family Therapy* and currently serves as an associate editor of the *Journal of Marriage and the Family*.

"The *Journal of Family Issues* is different," he explains, "in that it focuses on contemporary social issues and problems pertaining to marriage and the family, as well as on theoretical and professional issues in the field. The emphasis is clearly on issues, and that's the context in which the manuscripts are

evaluated."

In addition, the quarterly publication will devote every other edition to articles dealing with selected themes. Runaways, Remarriage, Dual Worker Families, Family Violence, Economics and the Family, and Childlessness/One-Child Families are the six themes scheduled for Dr. Spanier's three-year tenure.

Although the *Journal* is now sailing smoothly, Dr. Spanier found the launching somewhat rigorous.

"It took some effort to compose an editorial board that had an appropriate mix of areas of expertise within the field, academic experience, and diversity in personal background characteristics. We have included some scholars from Europe to establish the *Journal's* international orientation," Dr. Spanier points out.

Among his 23 associate editors are two Penn States: Dr. Gunhild O. Hagestad, assistant professor of human development, and Dr. Constantina Safilios-Rothschild, professor of human development. In addition, Dr. Spanier relies on 50 ad hoc

reviewers — some from Penn State — for occasional reviews.

To promote the venture, Dr. Spanier wrote to all professional organizations in the field and to department chairpersons whose bailiwicks might produce family research. Through its own network, Sage Publications announced the new publication to about 25,000 U.S. social scientists. To learn the ropes of managing an editorial office, Dr. Spanier corresponded with other journal editors and visited the editorial offices of the *Journal of Marriage and the Family* at the University of Florida.

In September 1979, the manuscripts started pouring in. "We've received about 150 manuscripts for our first four issues this year, and we've selected about 30 — a 20 percent acceptance rate."

"The very short lead time between the time we started receiving manuscripts and our publication deadlines presented some problems," Dr. Spanier explains. "It was difficult initially to gauge which articles to accept, since there's a tendency to rush to judgment to meet the deadline the contract calls for."

"Whatever the initial problems, the benefits of having the *Journal* at Penn State are manifold," he says. "It increases the visibility of the College of Human Development. It lets people know that Penn State is a center for scholarly interest in the family. It's probably not coincidental that the people behind the *Journal* came to Penn State for an editor, because the University is recognized as having one of the leading programs in family studies in the nation."

"The *Journal's* editorial office will also be useful in promoting professional networks, because we'll be talking and corresponding with hundreds of people in the field every year. Those relationships are useful in learning about job opportunities for our graduate students, for learning about conferences at which our faculty members might present papers, and for steering University researchers to people working in similar areas elsewhere."

Review of health care deductions urged

University faculty and staff members should review periodically the deductions being taken for their group health care (UNICARE and Dental) to be certain that they are paying for the correct coverage.

A change in family status may affect your costs and your coverage. For

example, when you get married, when you have a first child, or when your spouse stops working for the University, you run the risk of having inadequate dependent coverage.

You should consider changing your coverage if any of the following circumstances arises:

- 1) You add a dependent through marriage or birth. (Note: a baby is covered automatically for 31 days following birth; however, to provide for coverage beyond that time a change of dependent coverage form must be completed.)
- 2) Your spouse or only dependent child begins or ceases working for the University as a regular employee.
- 3) Your spouse or only dependent child dies.
- 4) You are divorced (or separated and

no longer wish to provide dependent coverage).

- 5) Your only dependent child enters military service or reaches age 19 (or 23 in the case of a full-time student).
- 6) Your only dependent child gets married.

To determine whether or not you have the right coverage or are paying the right amount, compare the amount that is shown on your salary check stub with the amount you should be paying according to the table below.

If a change should be made, call, write, or visit the Employee Benefits Division, Room 133 Willard Building, 865-1473. A faculty or staff member who is not at University Park may receive assistance by contacting his/her Personnel Officer or Business Manager.

The University has no way of knowing whether a change should be made, so it is the responsibility of the employee to keep his/her records up to date and accurate. No refunds for over-payment will be made, unless it can be shown that the University was in error.

Insured Persons	UNICARE		Dental	
	monthly NONE	bi-weekly NONE	monthly NONE	bi-weekly NONE
Employee Only				
Child or Children	\$1.75	\$0.80	4.33	\$2.00
Employee, Spouse	\$3.60	\$1.66	4.33	\$2.00
Employee, Spouse				
Child or Children	\$5.00	\$2.30	\$4.33	\$2.00

Alumni Fellows

(Continued from page 1)

and his Ph.D. in 1941 — all in chemistry. He joined Alcoa in 1940.

Beginning in the early 1950s, he participated in the study of alternative aluminum smelting processes with emphasis on chloride technology. This research led to the development of the Alcoa Smelting Process. The holder of 10 patents, Dr. Russell has been a major contributor to the technological achievements of the aluminum industry.

Mr. Everett will be at the University April 30 through May 2 as a guest of the College of Engineering.

After receiving B.S. and M.S. degrees in mechanical engineering in 1948 and 1949, respectively, Mr. Everett joined the engineering department of the Philadelphia Electric Co. He has been with the firm ever since, rising to president in 1971 and to president and chief executive officer in 1979.

Mr. Everett participated in a number of nuclear and conventional power generating projects in the 1950s. In 1958 and 1959, he attended the Massachusetts Institute of Technology as a Sloan Fellow and the following year was named director of research at Philadelphia Electric.

A member of numerous engineering and technical societies, Mr. Everett has received many awards throughout his career, including being honored as one of Penn State's Distinguished Alumni.

Mr. Huck will be at the College of Medicine April 27 through April 29.

A chemistry major, class of 1943, he is a past president of the Alumni Association and a member of the University's Board of Trustees.

As a member of the Army Air Corps during World War II, he was a bomber

pilot and a flight instructor.

Mr. Huck joined Merck, one of the nation's largest pharmaceutical firms, as director of marketing in 1958 after 12 years with Hoffmann-LaRoche of New Jersey. He became a vice president at Merck in 1966, a member of the board of directors in 1977, and president and chief operating officer in 1978.

The Alumni Fellows program is sponsored by the Penn State Alumni Association.

Governor

(Continued from page 1)

first special grand jury to investigate racketeering and corruption under the Organized Crime Control Act of 1970. He obtained indictments and convictions of nearly 50 individuals for abuse of public office and prosecuted more than 100 narcotics dealers. He also probed the pornography industry's ties to organized crime and prosecuted industrial polluters.

In his career as a prosecutor,

Thornburgh personally never lost a case, and his office's success rate was better than 90 percent.

From 1975 until 1977, Thornburgh served as assistant U.S. attorney general and head of the Criminal Justice Division with nationwide administrative responsibilities. Among his achievements in that office was creation of the pioneering Public Integrity Section to combat official corruption on a nationwide basis.

In addition to the University Park exercises, graduates at other Penn State campuses will bring the total number of Spring Term degrees awarded to more than 6,900. The total number of graduates for the 1979-80 academic year will exceed 11,500.

Black composers' residency and STS lectures scheduled

Ulysses Kay, Larry Ridley to conduct, perform works

Two black musicians and composers, Ulysses Kay and Larry Ridley, will participate in a program, "The Black Experience: Perspectives on Music," a black composers' residency being held at the University May 1 through 3.

Mr. Kay, who will be on campus all three days, will take part in several classes; conduct a rehearsal of his composition, "Choral Triptych," with the Penn State Singers and the Penn State Symphony Orchestra; and conduct University musicians in rehearsals in Eisenhower Auditorium.

On Friday, at 12:45 p.m., he will lead a chamber music symposium in the Music Building Recital Hall with the Alard String Quartet, pianists Jill Olson and Steven Smith, and the Claremont Woodwind Quintet. These musicians will perform three of his works — Piano Nocturne No. 1, String Quartet No. 2, and Facets for Piano and Winds.

A jazz clinic with Mr. Ridley and Pro Musica Unlimited will be held from 2 until 3:30 p.m. Friday in the Music Building Recital Hall, followed by a reception for the two composers at 4 p.m. in the Paul Robeson Cultural Center.

At 8 p.m. Friday evening, in the Music Building Recital Hall, Mr. Ridley, a bassist, and Pro Musica Unlimited will present a concert.

Several University instrumental and choral groups will perform works by Mr. Kay at a Saturday concert, scheduled for 8:30 p.m. in Eisenhower Auditorium. The program will open with "Heralds I," a composition for small brass ensemble. The Penn State Symphonic Wind Ensemble, conducted by Smith Toulson, will play "Concert Sketches," and bass-baritone Raymond Brown and the University Choirs will perform "Song of Jeremiah," accompanied by the Penn State Symphony

Orchestra with Dr. D. Douglas Miller conducting.

Professor Brown will conduct the Penn State Singers and the Penn State Symphony in a performance of "Choral Triptych," and the brass ensemble will be featured again on "Heralds II." The Penn State Symphony will conclude the concert with "Southern Harmony," a composition based on several well-known hymns.

Preceding the Symphony's performance of the piece, members of the audience will be directed in singing the original hymn tunes.

Mr. Kay, currently Distinguished Professor of Music at Herbert H. Lehman College of the City University of New York, has been a visiting professor at Boston University and UCLA. He holds honorary doctorates from Lincoln College, Bucknell University, Illinois Wesleyan University and the University of Arizona, his alma mater. The recipient of Fulbright, Julius Rosenwald and Guggenheim Fellowships, Mr. Kay has also been awarded a Prix de Rome and a grant from the National Institute of Arts and Letters.

Mr. Kay served in the Navy during World War II as a performer, composer and arranger. He has written orchestral and choral works, dramatic compositions and works for the solo vocalist and instrumentalist.

The chairman of the Music Department at Livingston College of Rutgers University, Larry Ridley performs at present with the Rutgers/Livingston Jazz Professors and Pro Musica Unlimited. He has performed extensively with Billy Taylor and has appeared in concert with other renowned jazz artists, including McCoy Tyner, Thelonus Monk and Kenny Burrell. He has composed works for jazz ensembles and film scores, and has recorded numerous albums with his own groups and as a sideman for other jazz musicians.

The black composers' residency is being sponsored jointly by the Institute for the

Arts and Humanistic Studies, the Black Studies Program, the Paul Robeson Cultural Center, and the School of Music of the College of Arts and Architecture. All events are free and open to the public.

STS program bringing Drs. Henderson, Eisenbud

The Science, Technology and Society (STS) Program has scheduled a week of special activities April 28 through May 2.

Featured will be two distinguished Visiting STS Professors, Hazel Henderson and Merrill Eisenbud. Dr. Henderson, recently of the Princeton Center for Alternative Futures, Inc., is a prominent futurist, author and lecturer. Advisor to a number of non-profit organizations and government agencies, her expertise is in social policy, environmental and consumer protection, corporate accountability, alternative futures and appropriate technology.

Dr. Eisenbud is professor of environmental medicine and director of the Laboratory for Environmental Studies at New York University Medical Center's Institute of Environmental Medicine. A member of the National Academy of Engineering, he has had experience as an industrial hygienist, administrator of environmental protection programs, and researcher on radiation hazards to human health and the environment.

In addition to seminars for specialized groups of students and faculty, there will be several public events. Dr. Eisenbud will speak on "Environment, Technology and Health: A Century of Progress but Years of Despair" at 4 p.m. on Tuesday, April 29, in the HUB Assembly Room. Both guest experts will discuss the topic, "No Free Lunch: The Economy vs. the Environment," at 8 p.m. Wednesday, April 30, in Room 112 Kern Building.

Dr. Henderson will discuss "The Future of the Environment: A Futurist's View" at 4 p.m. on Thursday, May 1, in the HUB Assembly Room. On Friday, May 2, at 12:20 p.m. in Room 101 Kern, she will speak on "Value Issues in the Environmental Movement." There will be opportunity for questions and discussions by the audience following all of these talks.

The University's Science, Technology and Society Program was begun almost a decade ago. Chaired currently by Dr. Rustum Roy, director of the Materials Research Laboratory, it involves almost 40 faculty members in an interdisciplinary effort to foster integrative learning, teaching and research.

More information on Dr. Henderson's and Dr. Eisenbud's schedules may be secured from the STS office, 865-9951 or 865-3424.

Evelyn Witkin to give R.W. Stone Lecture

Dr. Evelyn M. Witkin, Barbara McClinck Professor of Genetics at Rutgers University, will present the Robert W. Stone Lecture on Thursday, May 1.

The lecture, entitled "Regulation of Radiation-Inducible Functions in *E. coli*," will be held at 3:55 p.m. in Room 101 Althouse Laboratory. It is sponsored by microbiology alumni and friends of Dr. Stone.

Dr. Witkin is a faculty member at Douglass College, the women's division of Rutgers University. A pioneer in the field of DNA repair, Dr. Witkin has focused her research on understanding how bacterial genes, damaged by radiation, repair themselves and how mistakes in the repair process sometimes lead to mutations.

Since there is a correlation of at least 90 percent between agents that cause cancer in mammals and agents that cause mutations in bacteria, Dr. Witkin believes the results of her experiments may well have a significant impact upon human cancer research.

Dr. Witkin is a member of the National Academy of Sciences and the American Academy of Arts and Sciences and is a winner of the Prix Charles-Leopold Mayer, a prize conferred by the Academy of Sciences of the Institute of France.

The lecture, which honors Dr. Stone, a professor emeritus of bacteriology who served as head of the former Department of Microbiology for 23 years, is being held this year on part of the official observance of the University's 125th Anniversary.

Symphonic Blue Band to feature trumpet soloist

The Penn State Symphonic Blue Band will hold its annual concert at 3:30 p.m. on Sunday, April 27, in Eisenhower Auditorium.

Robert Nagel, a prominent professional trumpet soloist, will be featured. Mr. Nagel is a member of the New York Brass Quintet and teaches at Yale University in addition to performing free lance professional work.

Selections for the concert will include "Variations on a Medieval Theme" by Della Joia, "Othello" by Alfred Reed, "First Salute" by Holst, and the new award-winning "Pacific Celebration" by Roger Nixon.

Tickets for non-students will cost \$2 and are available at the Eisenhower Auditorium box office, The Music Mart on College Avenue, or from band members. Students and senior citizens will be admitted free.

Theme dinners offered

FSHA 410 students will offer five thematic dinners in the Maple Room in Henderson Human Development Building during May. The schedule is: May 1, Chesapeake Bay; May 2, Northern Poland; May 7, New York City, 20th Century; May 8, Polynesia; and May 9, Paris. Costs and seating times vary; for further information, call 865-7441.

Ticket sale for 'Carousel' to open

The Penn State Thespians will present the Rogers and Hammerstein classic, *Carousel*, Thursday, Friday and Saturday, May 8, 9 and 10, in Schwab Auditorium.

Showtime is at 8 p.m., and there will also be a 2 p.m. Saturday matinee.

Carousel, based on the Ferenc Molnar play, *Lilom*, takes place in a new England coastal town in the late 1800s. The story is about Julie, a young factory worker, and Billy, a sympathetic yet shiftless carnival barker, who fall in love and marry. When Julie discovers she is about to have a child, Billy, who has lost his job, becomes involved in a robbery and is killed. Years later, he is allowed to return from heaven to gain redemption.

The musical will be directed by Richard Lyon and employs the talents of a cast of students from all majors. Tickets will go on sale April 28, at a booth across from the HUB Desk and further information may be obtained by calling 865-9461.

Swiss writer to speak

Christopher Geiser, a young Swiss writer from Bern and the Max Kade Writer-in-Residence at Oberlin College, will present a lecture and reading at 8 p.m. Tuesday, April 29, in Room 167 Willard Building. Mr. Geiser will survey Swiss-German literature since 1945 and read from his novel *Grumee* (1978). His visit is sponsored by the Institute for the Arts and Humanistic Studies and the Department of German.



Trumpet soloist Robert Nagel (above left) will perform with Symphonic Blue Band April 17. At right, R.W. Stone lecturer Evelyn Witkin, who will speak May 11.



This is the final scene from URTC's "The Taming of the Shrew" with Katharine Houghton ("Guess Who's Coming to Dinner?") and Ken Jenkins ("Centennial") as Kate and Petruchio. The play will run May 1-3; 6-10; and 13-17 in the Playhouse. For tickets, call 865-1884.

University Park Calendar

April 24-May 4

Special Events

Thursday, April 24

*Slavic Folk Festival, 10 p.m., Hetzel Union

*Medieval Studies Banquet, 6 p.m., Maple Room, Henderson. Advance reservations necessary, 865-5481.

Cinematheque, *Chinatown*, 6:30 and 9 p.m., Room 105 Forum.

Gay Awareness Festival Lecture, "Our Gay Children," by Parents for Gays/Harrisburg, 7 p.m., Room 323 HUB.

Signa Xi Lecture, 8 p.m., Room 112 Kern. Karl H. Beyer Jr., Hershey, former senior vice president for research, Merck Sharp & Dohme, on "Hypertension: Here and Now."

Black Arts Festival Symposium, 8 p.m., HUB Lounge. Dr. Barbara Sizemore, literature, Univ. of Pittsburgh; Michael Thelwell, Univ. of Massachusetts and editorial board, *Black Scholars* magazine; Stokely Carmichael, All-African Peoples Revolutionary Party, speakers.

English Colloquium, 8 p.m., Room 101 Kern. Mark Harris, author and professor, Univ. of Pittsburgh, reads from and discusses his work.

Friday, April 25

*Slavic Folk Festival, 9 a.m.-10 p.m., Hetzel Union Bldg.

College of Business Administration, William Elliott Public Lecture, 9:45 a.m., Room 112 Kern. Thomas E. Murphy, chairman, board of directors, General Motors, on "Insuring America's Future."

Adult Education Brown Bag Luncheon, noon; discussion on "The Relatedness Between Adult and Higher Education as Fields of Study and Practice," 12:30 p.m., Room 101 Kern.

*Medieval Studies Lecture, 3 p.m., Room 306 Burrows Bldg. A. Kazhdan, Dumbarton Oaks, on "The Role of Byzantine Studies in the Intellectual Life of the Soviet Union."

Sports: tennis (men) vs. Maryland, 3 p.m. Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Wilbur Zelensky, geography, on "The Season of Marriage."

Commonplace Theatre, Roman Polanski Festival, *Knife in Water*, 6 p.m.; *Cul de Sac*, 7:30 p.m.; *Repulsion*, 9:30 p.m., Room 112 Kern. Also April 27.

Folk and Square Dance Roundup, 7:30 p.m., Room 133 White.

Gay Awareness Festival, concert by Holly Meier, 8 p.m., Schwab.

Saturday, April 26

*PSU Veterans, Statewide Softball Tournament, 8 a.m.-4 p.m., University Beef/Sheep Center.

*Little International Livestock Exposition, 8 a.m.-4 p.m., Nittany Lion Invitational, 8 a.m., through April 27; baseball vs. St. John's (double header), 1 p.m.; lacrosse (women) vs. Rutgers, 2 p.m.

*Slavic Folk Festival, 9 a.m.-noon, Hetzel Union Bldg.

School of Music, Frances Andrews Competition, 10 a.m., Eisenhower Chapel.

France-Cinema, *The Story of Adele H.*, 7 and 9 p.m., Room 112 Kern. Also April 28.

Artists Series, Garrick Ohlsson, pianist, 8:30 p.m., Eisenhower Auditorium.

Sunday, April 27

University Chapel Service, 11 a.m., Schwab Auditorium. Chapel Choir Festival, Raymond Brown, director.

Penn State Concert Blue Band Spring Concert, featuring Robert Nagel, trumpet, 3:30 p.m., Eisenhower Auditorium.

Evening with the Arts, Tim Eymann and the East Coast Offering, jazz-rock, 8:30 p.m., HUB Ballroom.

Mark Dennis, organ, 8:30 p.m., Music Bldg. Recital Hall.

Monday, April 28

Red Cross Bloodmobile, 9:45 a.m.-3:45 p.m., HUB Ballroom.

Music in Interesting Times Lecture, 3 p.m., Music Bldg. Recital Hall. Barbara Wheeler, Montclair State College, on "Music Therapy."

Shakespeare Film, *Macbeth* (BBC), 6:30 p.m., Room 101 Chambers.

Mu Phi Concert, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, April 29

Red Cross Bloodmobile, 9:45 a.m.-3:45 p.m., HUB Ballroom.

Sports: tennis (women) vs. Maryland, 10 a.m.; softball vs. Brockport State (double header), 2 p.m.

Comp. Lit. Luncheon, 12:15 talk, 1 p.m. Hotel State College. Edwin Thumboo, Univ. of Singapore, on "A Question of Tradition: Imported and Local."

STS Program, 4 p.m., HUB Assembly Room. Merrill Eisenbud, NYU, on "Environment, Technology and Health: A Century of Progress but Years of Despair."

School of Music Common Hour, 4 p.m., Music Bldg. Recital Hall.

Shakespeare Film, *Macbeth* (BBC), 6:30 p.m., Room 112 Chambers.

Comp. Lit. Film Series, Mazursky, *Alex in Wonderland*, 7 and 9 p.m., Room 112 Kern.

Christopher Geiser, Swiss writer, surveys post-war Swiss-German literature and reads from his work, 8 p.m., Room 167 Willard.

Sponsored by IAHS and Department of German.

Artists Series Film, *Late Spring*, 8 p.m., Schwab.

Wednesday, April 30

Faculty Women's Club Spring Luncheon, 11:45 a.m., Toftrees. Dr. Rosemary Schraer, asst. provost, on "New Directions."

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Douglas Maury, Univ. of Western Australia, on "Waltzing Materialism."

Commonplace Theatre, Ingar Bergman, *The Touch*, 7 and 9 p.m., Room 112 Kern. Also May 4.

Interludia, folkdancing, 7:30 p.m., HUB Ballroom.

*URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Bassist Larry Ridley and Pro Musica Unlimited concert, 8 p.m., Music Building Recital Hall.

Saturday, May 3

ARHS, "Movin' On," HUB Lawn, through May 4.

PSU Veterans Organization, Jack Swords Golf Tournament, Blue Golf Course.

*53th Penn State Dairy Exposition, 8 a.m.-5 p.m., Univ. Dairy Center.

Sports: track (men), Penn State Memorial Invitational, 11 a.m.; football, Blue-White Game, 2 p.m.; lacrosse (men) vs. Maryland, 7 p.m.

German Department production of Durrenmatt's *Die Physiker*, 3 p.m., HUB Assembly Hall.

France-Cinema, Ingmar Bergman, *Cries and Whispers*, 7 and 9 p.m., Room 112 Kern.

*URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

University Choirs and Orchestras, concert of works by Ulysses Kay, 8:30 p.m., Eisenhower Auditorium.

Sunday, May 4

Sports: golf (women), Alumnae Match, 8 a.m. University Chapel Service, 11 a.m. Eisenhower Chapel, Dr. David Brown, clinical psychologist, FSU, speaker.

Molly Weaver, clarinet, 3:30 p.m., Music Bldg. Recital Hall.

France-Cinema, *Jules and Jim*, 7 and 9 p.m., Room 112 Kern.

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STS Program, 4 p.m., Room 112 Kern. Merrill Eisenbud, NYU, and Hazel Henderson, futurist author, on "No Free Lunch: The Economy vs. the Environment."

Penn State Symphonic Wind Ensemble, chamber music, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, May 1

Deadline for season ticket holders to renew football ticket orders.

Sports: lacrosse (women) vs. Towson State, 3 p.m.

*College of Science, R.W. Stone Lecture, 3:55 p.m., Room 101 Althouse. Evelyn Witkin, Douglass College, Rutgers Univ., on "Regulation of Radiation-Inducible Functions in *E. coli*."

STS Program, 4 p.m., HUB Assembly Room. Hazel Henderson, futurist author, on "The Future of the Environment: A Futurist's View."

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Friday, May 2

Last day to sign Spring Term NDSI and University Long Term Loans, Room 108 Shields.

Late drop deadline.

STS Program, 12:20 p.m., Room 101 Kern. Hazel Henderson, futurist author, on "Value Issues in the Environmental Movement."

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Molly Weaver, clarinet, 3:30 p.m., Music Bldg. Recital Hall.

France-Cinema, *Jules and Jim*, 7 and 9 p.m., Room 112 Kern.

German Department production of Durrenmatt's *Die Physiker*, 7:30 p.m., HUB Assembly Hall.

STS Program, 4 p.m., Room 112 Kern. Merrill Eisenbud, NYU, and Hazel Henderson, futurist author, on "No Free Lunch: The Economy vs. the Environment."

Penn State Symphonic Wind Ensemble, chamber music, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, May 1

Deadline for season ticket holders to renew football ticket orders.

Sports: lacrosse (women) vs. Towson State, 3 p.m.

*College of Science, R.W. Stone Lecture, 3:55 p.m., Room 101 Althouse. Evelyn Witkin, Douglass College, Rutgers Univ., on "Regulation of Radiation-Inducible Functions in *E. coli*."

STS Program, 4 p.m., HUB Assembly Room. Hazel Henderson, futurist author, on "The Future of the Environment: A Futurist's View."

*URTC, William Shakespeare, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Friday, May 2

Last day to sign Spring Term NDSI and University Long Term Loans, Room 108 Shields.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Perspective," 2:20 p.m., Room 128 Sackett.

Physics, E. Merzbacher, Univ. of North Carolina, on "Quantum Physics of Damping," 3:50 p.m., Room 445 Davey.

Biology, Lewis E. Anderson, Duke Univ., on "Genetic and Cytological Sterility Barriers in Natural Hybrids of Mosses," 4 p.m., Room 8 Mueller.

Engineering Science and Mechanics, R.N. Pangborn, eng. science & mechanics, on "Characterization of Materials Deformation by X-Ray Diffraction Analysis," 4 p.m., Room 232 Hammond.

Mathematics, William T. Trotter, Jr., Univ. of South Carolina, on "Tiling Bounded Open Sets with Squares Which Touch the Boundary," 4 p.m., Room 103 McAllister.

Organic/Inorganic Chemistry, Fred Hartman, Oak Ridge National Lab., on "Mechanism Aspects of Aldolases," 8 p.m., Room 333 Whitmore.

Thursday, May 1

Chemistry, Norman L. Allinger, Univ. of Georgia, on "Studies of Conformations by the Methods of Molecular Mechanics," 12:45 p.m., Room 333 Whitmore.

Physics, Robert Mills, Ohio Univ., on "Are Gauge Fields Really Necessary?" 3:50 p.m., Room 445 Davey.

Agricultural Engineering, James W. Garthe, ag. eng., on "Alcohol as Fuel - What They Don't Tell You," 4 p.m., Room 248 Ag. Eng. Bldg.

Fuel Science, W.C. Rovesti, Electric Power Research Institute, on "Combustion of Coal Liquids," 4 p.m., Room 301 Steidle.

Philosophy, John Kirkland, Bucknell Univ., on "The Historical Contexts of Phenomenology," 4 p.m., Room 101 Kern.

Friday, May 2

Analytical Chemistry, Nancy Redman, grad. student, on "Enthalpic Triglyceride Determination," 11:10 a.m., Room 333 Whitmore.

Acoustics, Edith Corliss, National Bureau of Standards, vice president, Acoustical Society of America, on "The Ear as a Mechanism for Communication," 3:45 p.m., Walker Conference Room, Applied Science Bldg.

Physical Chemistry, Heinz Roth, Bell Telephone Labs., on "EPR Studies of the Geometric Isomerism of Divalent Carbon Compounds," 4 p.m., Room 333 Whitmore.

Chambers Gallery: Undergraduate Art Education Exhibit, mixed media, opens April 28.

HUB Galleries: "Paintings of Two Pennsylvania Artists: Henry O. Tanner and Horace Pippin, The Gallery, "Landscape Architects Design Awards Exhibit, Browsing Gallery, Ryan Nettles, sculpture, Gallery Lounge, through April 27; Mike Starnes, pottery and Rome Hanks and Friends, group photo exhibit, both open April 28, Art Alley.

Kern Gallery: David Rubello, paintings and photographs, through April 26; Laverda Butler, ceramics, through April 30; Anne Curtis, ceramics; Bob Bisetti, photographs, opens April 27; Matt Reitz, glass, opens May 2.

Museum of Art: aspects of representation after World War II - works from the permanent collection, through May 4; Chinese exports porcelains from the collection of Dr. and Mrs. Harold L. Tonkin; recent works on paper by Diane Pepe; highlights from the permanent collection, opens April 27.

Pattie Library: Nora Speyer, drawings, East Corridor Gallery, Steven Dreyer, photographs, Lending Services Lobby. "The Fantastic Art of Vienna," through April 28; Ceramics Group Show, opens April 28, Main Lobby.

Robeson Cultural Center: "Four Perspectives - Four Artists," Robert Wilder, Anthony Brown, James Barefoot and Lawrence Jordan, mixed media.

News in Brief

1st holiday of the '80s

For those who like to plan ahead, the University's Office of Personnel Administration announces that Penn State will observe the Memorial Day holiday on Monday, May 26.

Artists Series sales begins

Sales to new patrons for the Artists Series 1980-81 season will begin at 9:30 a.m. Thursday, May 1.

Brochures describing the Fine Arts, Music, Theatre/Dance, and Drama series along with order forms, are available now at the Artists Series Office in Pine Cottage, the Eisenhower Auditorium box office, and the Artists Series HUB Booth.

Heat off May 5

Heat will be turned off in University Park's classroom and administrative buildings on Monday, May 5, the Executive Energy Conservation Committee has announced. For residence halls and the Ritenour Health Center, the date is Friday, May 23.

Air conditioning in research areas will be turned on Monday, May 12, and in classroom and administrative buildings on Monday, June 9.

According to J. Carroll Dean, manager of energy conservation programs, those dates were chosen after an analysis of more than 30 years of hourly temperature readings by the Department of Meteorology. Adjustments will be made if short-term weather forecasts indicate the need, he added.

Policy explained for military leaves

The Employee Relations Division points out that at this time of year, there usually is an increase in requests made by Military Reservists and National Guard Members for leaves of absence for annual military training duty. The University, in accordance with the law, grants such leaves without salary regardless of an individual's length of regular University service.

However, University policy also provides that if a regular faculty or staff member has six months of regular University service prior to the date of the requested leave, the leave is granted according to the provisions of PS-20 (Leave of Absence for Annual Military Training Duty).

PS-20 provides that a regular faculty or staff member employed on a 12-month basis, whose military base pay is less than what his or her University salary would have been for the same calendar period covering the leave of absence, will be paid the difference by the University for a period of active duty of at least seven calendar days up to a maximum of 15 calendar days, upon request by the faculty or staff member.

A staff member may elect to use accumulated vacation during the leave. In such instances, the individual continues to receive full salary from the University for the amount of time charged to accumulated vacation.

Prize to Press translator

The Academy of American Poets has named Saralyn R. Daly as a winner of the \$1,000 Harold Motson London Award for translation of poetry. Ms. Daly translated the medieval Spanish of Juan Ruiz's *The Book of True Love*, which was published by Penn State's Press.

Exhibit recalls early PSU history

On December 15, 1858, a Mr. McAllister of Bellefonte gave Penn State "two young dogs." They were gratefully accepted. No gift was too small to be welcomed by the fledgling institution, then known as the Farmer's High School, as shown by an exhibit of early University memorabilia, now on display in the Penn State Room at Pattee Library.

In addition to canines, the school also accepted gifts of seeds, plants, and farm implements. An early ledger, which is part of the exhibit, details the contributions.

"Much of the University's early history is well preserved and although our exhibit just begins to cover it, library patrons should get a good idea of the difficulties the founders had to overcome," says Leon J. Stout, senior assistant librarian and archivist of the Penn State Room.

The exhibit will be modified and enlarged throughout the University's 125th year, he says.

Penn State was no stranger to budget problems in its early years. The original mortgage for a \$20,000 loan that pulled the school through the financial panic of 1857 is exhibited, as are mechanic's liens filed

by subcontractors after the construction firm building Old Main went bankrupt.

The first man offered the post of principal of the Farmer's High School turned the job down. His letter is on display. Professor Charles Trego of the University of Pennsylvania expressed reservations about the location, lack of running water, low pay, and the prospect of pleasing 13 trustees.

Among the buildings is one of Old Main with the "dining and cooking sheds" beside it where students and professors ate. A faculty member sat at the head of each table to break up fights.

A small sampling of other items on display includes:

— The original doctoral dissertation of Evan Pugh, Penn State's first president.

— An 1863 schedule of classes with this stark requirement for all freshmen: "6 a.m. to 9 a.m. — WORK."

— The letter by General James Irvin offering to give 200 acres of land in Centre County for the establishment of a farm school.

The Penn State Room is located to the left just after entering central Pattee.

Women sought for beginning exercise program

A beginning exercise program for women aged 40 to 65 will be offered in conjunction with a doctoral dissertation in exercise physiology at the University.

The study is designed to observe estrogen and testosterone responses to physical conditioning in order to investigate the feasibility of complementing estrogen replacement therapy with exercise therapy.

The conditioning program will be held during July and August. Activities will include walk/jog programs, swimming and aerobic dance. Exercise and hormone evaluations will be done in April, May and September.

Persons interested in participating in the project should call Jan Wallace at 865-7103 between 11 a.m. and noon on weekdays. Women currently using estrogen replacement therapy should not apply.

German Department studies to do Durrenmatt play

Students in the Department of German will present Friedrich Durrenmatt's two-part comedy, *Die Physiker*, at 7:30 p.m. Wednesday, April 30, and at 3 p.m. Saturday, May 3, with both performances in the HUB Assembly Hall. The 1962 play, directed by German graduate assistant Sonja Hedgepeth, deals with the adventures of three scientific researchers who hide in an insane asylum to prevent their knowledge from being misused by rival governments.

Bell chimes for hostages

The Old Main bell will continue to chime every day from noon to 12:15 p.m. until the hostage situation in Iran is resolved. Bruce C. Rohrbach, a University landscape architect, explains. The bell has been rung at that time daily since Dec. 20.

"It is a daily reminder to the people of this area of the plight of the hostages," Mr. Rohrbach said.

The bell ringing began after Mr. Rohrbach received a letter from his former pastor and a family friend, the Rev. Richard C. Shafer, of Laureldale, Pa. Mr. Shafer's brother, Col. Thomas E. Shafer, was the senior military attaché at the American Embassy in Teheran and is one of the hostages.

Hershey

(Continued from page 1)

blood to every part of the body except the lungs. Various medicines commonly used either were ineffective or caused severe

irregularities in Mr. Wolf's heart rhythm.

Dr. Parr discovered that the left ventricle was working well, but the right ventricle, which supplies blood to the lungs, was not. He decided to use a left ventricle assist pump in a new way. By turning it upside down, he was able to use it on the right ventricle. The pumps, which are manufactured in the research laboratories at the Medical Center, are constantly kept in sterile supply and available to surgeons.

"There really was nothing other than the pump to help Mr. Wolf," Dr. Parr said. "There is no medicine and no effective means of supporting a failed right ventricle. The pump proved to be particularly effective."

With the pump taking blood from the incoming veins and providing good pressure to the pulmonary artery as a normal functioning right ventricle would do, Dr. Parr was able to take Mr. Wolf off the heart lung machine and return him to the intensive care unit.

For two days the assist pump generated all of Mr. Wolf's pulse pressure in the main artery leading to his lungs. Two days after surgery, his heart began pumping with more regularity, and the assist pump's action was decreased. Three days after the operation, his heart took over completely, and the assist device was removed.

On July 1, less than a month after he arrived, Laverne Wolf was discharged from the Medical Center.

Interns

(Continued from page 1)

Selection is a competitive process based upon interviews and a written exercise which is graded in Washington. After being chosen, interns take on two-year assignments in various federal agencies.

The Institute Interns (and their undergraduate institutions) are: Richard S. Huebner (Northwestern University); Susan A. Laniewski (LaSalle College); Gina L. Myers (Penn State); Michael J. Petruska (Penn State); and Lourdes Tinajero (University of Texas at El Paso). The two alternates are: William C. Keisler (City College, CUNY) and Glen C. Moore (SUNY-Oswego). Chosen from Capitol was Michael Conti (Notre Dame).

Baker elected

(Continued from page 1)

and is currently president of the International Association of Human Biologists. A fellow of the American Anthropological Association, he was awarded a Guggenheim Fellowship in 1974. He is also the recipient of the Distinction in the Social Sciences Award of the College of the Liberal Arts.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff non-exempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for staff vacancies will be accepted until 5 p.m., May 1, 1980. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment Practices (PS-1) and in accordance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ASSISTANT TO THE DEAN FOR PUBLIC RELATIONS AND BROADCASTING ACTIVITIES — COLLEGE OF ARTS & ARCHITECTURE, University Park. Responsible for overall promotion, media, public relations and television activities of the College of Arts and Architecture and University Arts Services. Supervise the writing of articles and production of photographs for promotion; work with Division of Broadcasting Services on television development and production; work with Alumni Association to develop Arts Alumni Society and serve as supervising editor of the *Alumni Newsletter*. Bachelor's degree or equivalent in journalism, radio, television, or related field, plus three to four years of effective experience in public media programming or related area are required.

ASSISTANT MANAGER — HOUSING & FOOD SERVICES, Behrend College. Responsible to Manager, Housing & Food Services, for administering and coordinating housing operations at Behrend College. Duties include: supervising and training housekeeping staff, inspecting residence halls, scheduling housekeeping staff and scheduling preventive maintenance and overseeing repairs of residence halls. Bachelor's degree or equivalent, plus one to two years of effective experience in housing field, required. Must be able to identify maintenance needs and evaluate quality of repairs.

SUPERVISOR OF SNACK BARS, KERN GRADUATE BUILDING, CASPER HALL, AND JOHNSTON PIZZA SHOP — HOUSING & FOOD SERVICES, University Park. Responsible to Manager of Vending and Snack Bar Operations for operational functions of Snack Bar and personnel involved. Duties include: direction personnel, maintaining inventory, ordering supply, hiring and scheduling employees and planning weekly menus. Bachelor's degree or equivalent, plus one to two years effective merchandising and vending experience.

The University annually receives grants for projects designed to fulfill specific research responsibilities.

Often the research grants or project are of relatively short or temporary duration. In most instances, University project administrators must react quickly in making decisions of support staff personnel for their projects. Therefore, it is desirable to have an available pool of faculty and staff members who are interested in applying for such research support staff positions.

This announcement is made so that qualified individuals may make their interest known. The type of temporary research support staff positions typically available are: Senior Project Associate, Project Associate, Project Assistant, Senior Research Technologist, Research Technologist and Research Technician.

The types of discipline background required vary depending on the projects involved. They may include physics, engineering, agriculture, mathematics, and chemistry, but are not limited to these areas. If you apply, your name will be placed in the pool of candidates that will be considered as such opportunities arise. An announcement similar to this will be made each six months.

If you feel that you are interested in and have background related to typical University research projects, you may apply now or in the future for such temporary research support staff positions by calling the University's Employment Division, 865-1387 (network 475-1387).

University employees often acquire additional skills or knowledge through course work, training programs, and individual study after they come to work at the University. In addition, employees may gain experience in other fields through outside activities.

These new skills or knowledge can be very important when an employee applies for promotion to another job.

Therefore, the Employment Division urges every employee to consider whether he or she can add to the information currently on file and to remember that such information should be updated when appropriate. If additional information is to be added, a supplemental employment data sheet should be requested from the Employment Division, Room 117 Willard Building, 865-1387 (Network 475-1387). Then, if the employee later calls to apply for an announced job vacancy, the additional information already will be on file.

Penn State Intercom

Senate to consider five legislative proposals Tuesday

As the academic year winds down, the University Faculty Senate is wrapping up an accumulation of legislative proposals. Five of them are on the docket for the May 6 meeting, which will be held at 1:30 p.m. at the Altoona Campus. They include:

- A proposal from the Committee on Admissions, Records, and Scheduling for an Early Admission Program.
- A second proposal from the above Committee for changes in secondary school units required for entrance to the College of Health, Physical Education and Recreation.
- Revisions in Senate committee structure, suggested by the Committee on Committees and Rules.
- Recommendations by the Committee on Curricular Affairs for review of 800-level courses; for permitting colleges and major departments to determine the application of 800-level courses; and for changing the titles given to associate degrees.
- A report and recommendations from the Senate Special Committee on Basic Skills.

In addition, a slate of nominees will be presented for Senate officers, and for

positions on the Faculty Advisory Committee, the Faculty Rights and Responsibilities Committee, the Standing Joint Committee on Tenure, and the University Promotion and Tenure Review Committee.

The Committee on Planning and Development will offer an informational report on the status of the University's physical plant, and the Elections Commission will announce the results of voting unit elections for senators.

The Committee on Admissions, Records and Scheduling has proposed a set of guidelines for the establishment of an Early Admission Program. The proposal would permit highly qualified students to leave high school after the junior year to enroll at Penn State. The text of the report appears on page 5.

The College of Health, Physical Education and Recreation is asking the Senate to beef up requirements in mathematics and science for its entering students to conform with the University's revised BDR requirements and recent revisions in certain of the College's own curricula. Students would now need two units of mathematics and one unit of science — formerly, no units in either area were required.

The University currently refuses to allow the transfer of 800-level credits toward a baccalaureate degree. The Committee on Curricular Affairs has suggested that this can be rescinded and responsibility placed with the colleges and departments.

The Committee also suggests that all 800-level courses be reviewed by the appropriate program area to see if any of them duplicate 1-399 courses — in which case they would be dropped. In cases where an 800-level course would be appropriate as a baccalaureate-level course, even though not appropriate for the major of the sponsoring department, it would be renumbered into the 1-399 series.

The Senate will be asked to approve a change in the wording used for diplomas of associate degree students. Associate degrees would be grouped under two headings, "Associate in Arts" and

"Associate in Science," and the major would continue to be identified on the student's diploma and transcript.

In its lengthy report on the University's Basic Skills Program, portions of which appear on page 4, the Special Committee concludes that students with basic skills deficiencies will continue to enroll at Penn State throughout the '80s.

They find some evidence that English 4 assists in the development of effective writing skills as measured by subsequent student performance but that the relative value of Math 0 may be in doubt since the course is not a prerequisite to any other college-level mathematics course.

According to the report, the Commonwealth Campuses have the greatest need to provide specialized academic support services, and therefore it is important that adequate fiscal resources continue to be made available to them for this support. The report also endorses continuation of Penn State's dialogue with Pennsylvania's secondary schools to evolve strategies to decrease basic skills deficiency problems prior to college admission.

The full text of the Special Committee's recommendations appear on pages 4 and 5.

Dr. Oswald will name search committee to assist in Wilkes-Barre selection

President Oswald will be appointing an Advisory Search Committee to assist him in identifying candidates for the position of Director at the Wilkes-Barre Campus.

The Advisory Search Committee will identify those candidates who can provide the ablest possible academic leadership and competent administration of the Wilkes-Barre Campus. Candidates for the directorship must have an earned doctorate, several years' experience in college and/or university teaching, and responsible and substantial experience in academic administration.

Applications and letters of nominations should be directed to Dr. Robert Quinn, Room 111 Old Main, University Park, PA 16802 by August 1, 1980.

New office stresses University — industry research interaction

Increasing research interaction between Penn State faculty members and industry is the goal of the newly formed office of Industrial Research and Innovation, according to Dr. Richard G. Cunningham, vice president for research and graduate studies.

"We hope to blend University and industry expertise in innovative research and development projects," Dr. Cunningham explains. "Our goals are to explore industrial grants and contracts and new federal initiatives aimed at cooperative university-industry research."

Dr. Cunningham notes that university-industrial linkages and related productivity impacts have lately been much discussed by government and industry. He cites a recent Science article in which members of President Carter's Office of Science and Technology examine broad issues of cooperative university-industry research and conclude: "... enhancing the research-innovation process will result principally from specific initiatives taken by individual universities and companies ... progress in this endeavor will depend on substantive interaction among academic and industrial scientists and engineers ..."

Industrial Research and Innovation is a logical adaptation of the present Small Industries Research (SIR) program directed by James W. Lundy. Where SIR operated mainly with small Pennsylvania industries, Industrial Research will work with small or large companies interested in access to University research talents.

"Industrial Research has been planned as a service function," says Mr. Lundy. "We'll try to develop faculty opportunities by matching industrial needs in research, seminars, and cooperative sabbaticals, for example, with interests and capabilities of faculty members. We will handle initial contacts, involve appropriate faculty members, and support their visits to industry." Strengthening these

(Continued on page 7)

Sabbatical leave policies will be subject of study

The Senate's Faculty Affairs Committee has appointed a subcommittee to study the status of sabbatical leave policies and procedures at Penn State.

Members include Jack C. Hayya (Management Science), Manfred Kroger (Food Science), Marylee Taylor (Sociology), Don Alexander (Education, Capitol Campus), and Kathryn Moore (Center for the Study of Higher Education).

The Subcommittee invites comments and suggestions from faculty members. They should be addressed to the Senate's Subcommittee on Sabbatical Leaves, Birch Cottage, Penn State University, University Park, PA 16802.

The text of PS-17 (Leave of Absence with Pay) appears on page 8.

Altoona Campus emphasizes service to students and the community

If any University Faculty Senators get lost on the way to their May 6 meeting at the Altoona Campus, they won't draw many blank stares when asking townspeople for directions.

"The Campus is a source of pride locally, and nearly anyone on the streets of Altoona can direct the visitor to 'Ivyside' or 'the Center,' as we're known locally," says Dr. Carson W. Veach, Campus director.

"We've been so strongly interlaced with the community over the years that the typical town-gown complications never developed."

"We see ourselves as being a vital part of Altoona, not a separate entity that happens to be located here, and we're a focal point for community events. Our annual arts festival, sponsored in cooperation with the Blair County Arts Festival, draws 15,000 to 20,000 area residents to the Campus during the second weekend in May. Our students are deeply involved in the community; this year, they raised over \$10,000 for multiple sclerosis and more than \$22,000 for Easter Seals.

"We're also one of the larger employers in the area, and our faculty and staff members have a long tradition of public service to the community," adds Dr. Veach, himself a trustee of the Altoona Hospital, an advisory board member of the Altoona Area Vocational Technical School and the United Way of Blair County, and a member of Altoona Rotary and the Altoona Chamber of Commerce.

"Without the board scale support of the citizens of Altoona and the leadership of our Advisory Board, the Campus simply wouldn't exist," he affirms. "The Campus originated through citizen demand, and their financial support has been crucial to its growth. The bulk of private giving over the years has come not from a handful of individuals and corporations, but from thousands of people contributing gifts of \$25 or less; that's the best indicator of the depth of local support."

The Altoona Campus traces its history to 1939, when 1,000 citizens and numerous businesses, industries and organizations —

(Continued on page 6)



A warm spring day lures Altoona Campus students to the banks of the Reflecting Pool, on which the Slep Student-Campus Center seems to float. Behind the Center is the Steven A. Adler Physical Education Building, where the University Faculty Senate will meet on May 6.

Penn Staters

Dr. Richard Hogg, professor of mineral processing, and Dr. Lloyd A. Morley, associate professor of mining engineering, have received the 1980 Matthew J. and Anne C. Wilson Outstanding Teaching Awards of the College of Earth and Mineral Sciences. The awards consist of \$1,000 and an engraved plaque.

A member of the faculty since 1969, Dr. Hogg received his B.S. and M.S. from the University of Leeds and his Ph.D. in materials science and engineering at UC-Berkeley. He teaches courses in mineral particle systems, fine particle characterization, interfacial phenomena, particle/fluid dynamics and general mineral processing. His research is concerned with fine particle technology, colloid and surface chemistry, and process analysis and modeling. He is currently a member of a National Academy of Sciences Committee on Communion and Energy Consumption.

Dr. Morley received his B.S. and Ph.D. in mining engineering from the University of Utah. He joined the Penn State faculty in 1971. Active in the Industry Applications Society of the Institute of Electronic and Electrical Engineers, he served as chairman of the IAS Mining Safety Standards Committee in 1976-78, and is currently chairman of the IAS Mining Industry Committee. In 1979, he was chairman of this committee's technical conference. He teaches courses in mine plant design, mine power system and communications design, and mine power system protection. He serves as director of Penn State's mine electrical research laboratory, where his research has been in the area of mine electrical power systems, specifically, mine power system performance, prediction of power system failures, power system computer simulations, grounding systems, protective relaying, and electrical shock prevention.

Dr. Earl E. Fitz, assistant professor of Portuguese, Spanish, and comparative literature, is one of 20 scholars chosen to participate in a National Endowment for the Humanities Summer Institute for Spanish and Contemporary Affairs. The symposium, which will run for six weeks and which will be hosted by Georgetown University, will seek to discover new ways of integrating issues of cultural, political, and social significance with more traditional methods of language teaching pedagogy.

Professor Fitz has also been named the Regional Coordinator for the Partners of the Americas Alliance. As an active participant in this program of cultural, commercial, and educational exchange between North and South America, Pennsylvania is "sister state" to the state of Bahia in Northeast Brazil. The Alliance promotes the related interests of Pennsylvania and Brazil and encourages the development of Portuguese and Brazilian studies at various colleges and universities throughout the Commonwealth.

An interview with Dr. Robert K. Murray, professor of American History and a Fellow of the Institute for the Arts and Humanistic Studies, was published in the April 14 issue of U.S. News and World Report. The topic was the future of the American presidency.

Dr. Norman Freed, associate dean for resident instruction in the College of Science and associate professor of physics, presented invited lectures this month at the University of Massachusetts and the University of New Hampshire. His talks were titled "Pion Momentum - Dependent Contributions to Resonance Electroproduction."

Dr. Audrey T. Rodgers, associate professor of English, has been appointed coordinator of the Women's Studies Program in the College of the Liberal Arts, effective July 1.

Dr. Rodgers has been a member of the Women's Studies Committee of the College since its inception and served during the past year as vice chairman and acting chairman of the Committee.

A graduate of Hunter College, Dr. Rodgers obtained her M.A. and Ph.D. in English at Penn State, where her major fields of interest have been 20th century American poetry and literature written by women. She was the primary developer of English 194, "A Century of Women Writers," and contributed a chapter, "Portrait of a Lady: Images of Women in 20th Century American Literature," to the recent volume of essays by contributors to the Program, *The Study of Women: Enlarging Perspectives of Social Reality*, edited by Eloise Snyder.

In addition to numerous articles and reviews, Dr. Rodgers' most recent work, *The Universal Dream: Dance, Imagery, and the Poetry of Eliot, Crane, Roethke, and Williams*, was published by Penn State's Press last year.

Information on the Women's Studies Non-Major Option is available in Room S143 Burrowes Building.

Dr. Brent Wilson, professor of art education in the School of Visual Arts, along with his wife, Marjorie Wilson, assistant professor of art education at the Florida State University, have been given the Manuel Barkan Award by the National Art Education Association. The award is presented each year for the "Outstanding Contribution to the Literature in Art Education."

The Wilsons, in a study titled "Figure Structure, Figure Action and Framing in Drawings by American and Egyptian Children," investigated the different ways in which Egyptian and American children were influenced by cultural factors in their story drawings.

Dr. Change C. Lee, head librarian of Behrend College, has been appointed executive editor of the Educational Media Science Quarterly (English edition).

Dr. Clifford C. Clogg, assistant professor of sociology and statistics and research associate in the Population Issues Research Center, recently presented an invited lecture to the Columbia University Seminar on Mathematical Methods in the Social Sciences. His presentation, "New Developments in Latent Structure Analysis," surveyed some of Dr. Clogg's contributions to the methodology of latent structure analysis, a technique invented by Paul Lazarsfeld - the individual who first organized the Columbia Seminar in the 1950s.

Dr. Robert Lima, professor of Spanish and comparative literature, was the guest of the joint Indiana University - Purdue University Center in Fort Wayne recently. He was invited to do a solo reading of his poetry and to lecture on world drama. Among the selections read were poems he has published in *The Literary Review*, *Boundary 2*, *Chicago Review* and his four poetry manuscripts. The title of his lecture was "Damned Souls: The Demonic Pact in Dramatic Literature." Dr. Lima was also a panelist at a colloquium on Mexico held at Dickinson College in Carlisle recently.

Dr. John A. Hargleroad II, director of health services at the University of San Diego, was named to the executive board of the American College Health Association at the organization's annual meeting in San Diego recently.

Dr. Thomas A. Hale, associate professor of French and comparative literature, has been elected to a three-year term on the executive council of the African Literature Association.

Retirements



Norman H. Rice and his wife, Velda, will be teaming up round-the-clock again now that he's retired. The pair worked as a janitorial team in Pond Lab, Eisenhower Chapel and Rackley Building until Velda Rice retired in 1977.

Mr. Rice, who retired April 1 as a janitorial group leader, had been with Penn State since 1950. During that time, he accumulated 285 sick days - using only seven sick days from 1964 until his retirement.

Planning for retirement, the Rices took up fishing and, if the gas situation holds up, hope to leave their Spring Mills home to do lots of camping in their 18-foot travel trailer.

25-year chair



Martha A. Adams, professor of physical education and assistant dean for resident instruction in the College of Health, Physical Education and Recreation, is celebrating her 25th year at the University.

Prof. Adams began her tenure at Penn State as head of swimming (1954-59) and chairman of the Women's Program (1959-73), and was named assistant dean in 1974.

She has been very active in the professional organizations in her field, serving as president of the Eastern Association for Physical Education of College Women from 1976-78 and currently as chair of its Bylaws Committee. She has also been a member of the board of directors of the National Association for Physical Education of College Women. Since 1976, she has served as a discussion leader or moderator at every EAPECW conference.

Prof. Adams has also established an enviable record of University service. She was secretary of the University Faculty Senate in 1975-76 and a member of the President's Faculty Advisory Committee. At present she is a member of the Committee on Curricular Affairs. Since 1978 she has been co-chair of the University's Hearing Board and is a member of the Information System Planning and Review Commission of the Office of the Vice President for Undergraduate Studies.



Donald C. Richards, a machinist at the Applied Research Laboratory, retired May 1. A member of staff since April 19, 1960, Mr. Richards plans to remain in the Bellefonte area. He has a one-acre garden, which he says needs lots of care, and he hopes to do a little traveling and a lot of fishing.

Helen G. Manik, a food production worker at Capitol Campus since Sept. 13, 1967, retired April 29.

Obituaries

Alvin L. Sellers, a plumber with the Office of Physical Plant when he retired in 1965, died April 21. Mr. Sellers, a Seward, Pa., native, was 75. He joined the staff of the University in 1928 as a fireman at the power plant, a position he held until 1933 when he was promoted to fireman group leader. He became a plumber in 1962.

Homer W. Detwiler, a truck driver with the Office of Physical Plant from 1947 until 1966, died April 18. A native of Potters Mills, Pa., he was 76.

Benefits available between Fixed Term I appointments

Faculty or staff members on Fixed Term I appointments may continue in the University benefit programs for a period of up to three months between appointments, provided they have a firm commitment of re-employment on a Fixed Term I or Standing Appointment basis to begin within three months.

To continue the benefit coverage, the faculty or staff member must pay both the University and the faculty or staff member's share of the cost of the group life insurance and hospital/surgical/medical and dental coverage, and if applicable, the voluntary accidental death and dismemberment insurance.

Any Fixed Term I faculty or staff member interested in continuing benefit coverage (including dependent coverage) should contact his or her Personnel Representative or Business Manager to complete the necessary form for coverage. This must be completed prior to the expiration of the present Fixed Term I appointment.

Questions regarding this program should be directed to the Employee Benefits Division (865-1473 or Network 475-1473).

Funding Sources

For further information, call 865-1372

(333-1) Scholars to direct NEH Summer Seminars for the summer of 1981 are being sought by the National Endowment for the Humanities. The proposal deadline is July 1, 1980. The program's purpose is to provide opportunities for teachers at undergraduate colleges and universities and at junior and community colleges to work with distinguished scholars and advanced library resources. The seminar director's summer salary and preparation time is paid, along with secretarial and administrative help and indirect costs. College teachers selected to attend the seminar receive a \$2,500 stipend. For information call Mrs. Dorothy Wartenberg (NEH) at 202-724-0376.

University Park Calendar

May 1 – 11

Special Events

Thursday, May 1

Deadline for season ticket holders to renew football ticket orders.

Careers in Corporate Communications Seminar, 9:30 a.m., Room 112 Kern. Peter Hazz, McGraw-Hill; Miriam Goldfine, Towers, Perrin, Forster & Crosby Management Consultants; Vincent Bray, Metropolitan Life Insurance Co.; Med Series, CIT Financial Corp., speakers. Informal session, 2:30 p.m., Speech Communication Conference Room.

Office of Religious Affairs, Harry Booth, Dickinson College, on "Faith and the American Dream," noon, Eisenhower Chapel.

Perspectives on Music, Ulysses Kay conducts a rehearsal of his "Choral Triptych" with Penn State Singers and Symphony Orchestra, 12:45 p.m., Music Bldg. Recital Hall; University musicians rehearsal with Mr. Kay, 7 p.m., Eisenhower Auditorium.

Sports: lacrosse (women) vs. Towson State, 3 p.m.

"College of Science, R.W. Stone Lecture, 3:55 p.m., Room 101 Altohouse. Evelyn Witkin, Douglass College, Rutgers Univ., on "Regulation of Radiation-Inducible Functions in *E. coli*."

STS Program, 4 p.m., HUB Assembly Hall.

Hansel Hulterson, futurist author, on "The Future of the Environment: A Futurist's View."

Faculty Dining Club dinner and meeting, 5:30 p.m., Nittany Lion Inn.

Cinematheque, Sergi Paradjanov, *Shadows of Forgotten Ancestors*, 6:30 and 8:30 p.m., HUB Assembly Hall.

Dept. of Spanish, Italian and Portuguese. Three operas of Latin American plays performed by Lock Haven State College troupe, 7 p.m., Room 112 Kern.

Folklore Society, Square Dance, 7:30 p.m., Room 301 HUB.

*URTC, William Shakespeare, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Friday, May 2

Last day to sign Spring Term NDLS and University Long Term Loans, Room 108 Shields.

Late drop deadline.

STS: Science and Society Dialogue, 12:20 p.m., Room 101 Kern. Hazel Henderson, author, on "Value Issues in the Environmental Movement."

Perspectives on Music: Ulysses Kay, chamber music symposium, 12:45 p.m., Music Bldg. Recital Hall; Larry Ridley and Pro Musica Unlimited, jazz clinic, 2 p.m., Music Bldg. Recital Hall.

Cultural Center: University musicians rehearsal, 6 p.m., Eisenhower Auditorium; Larry Ridley and Pro Musica Unlimited Concert, 8 p.m., Music Bldg. Recital Hall.

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Douglas Markley, Univ. of Western Australia, on "Waltzing Matile."

Commonplace Theatre, Ingmar Bergman, *The Touch*, 7 and 9 p.m., Room 112 Kern.

Three African Films, 7:30 p.m., Robeson Cultural Center.

*URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Saturday, May 3

*55th Penn State Dairy Exposition, 8 a.m.-5 p.m., Univ. Dairy Center.

ARHS: "Movin' On," HUB Lawn, through May 4.

PSU Veterans Organization, Jack Swords Golf Tournament, Blue Golf Course.

Sports: track (men), Penn State Memorial Invitational, 11 a.m.; football, Blue-White Game, 2 p.m.; lacrosse (men) vs. Maryland, 7 p.m.

German Studies production, Durrenmatt, *Die Physiker*, 3 p.m., HUB Assembly Hall.

France-Cinema, Bergman, *Cries and Whispers*, 7 and 9 p.m., Room 112 Kern.

*URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

University Choirs and Orchestras, concert of works by Ulysses Kay, 8:30 p.m., Eisenhower Auditorium.

Sunday, May 4

ports: golf (women), Alumni Match, 8 a.m.

University Chapel Service, 11 a.m., Eisenhower Chapel. Dr. David Brown, clinical psychologist, PSU, speaker.

Molly Weaver, clarinet, 3:30 p.m., Music Bldg. Recital Hall.

African dinner, 5:30 p.m., followed by fashion show, poetry reading, cultural dances, 7:30 p.m., Room 101 Kern.

Commonplace Theatre, *The Touch*, 7 and 9 p.m., Room 112 Kern.

Monday, May 5

First day to sign Summer Term NDLS and University Long Term Loans, Room 108 Shields.

Sports: tennis (men) vs. Bucknell, 3 p.m. Music in Interesting Times

lecture/demonstration, 3 p.m., Music Bldg. Recital Hall. Leslie Beers, State College Talent Education, on "Music and Children: The Suzuki Approach."

Shakespeare film, *King Lear* (Scotfield), 6:30 p.m., Room 101 Chambers.

Concert White Band, "Concert in the Park," 7 p.m., Fisher Plaza.

France-Cinema, *Cries and Whispers*, 7 and 9 p.m., Room 112 Kern.

Interdisciplinary Symposium on Value, 8 p.m., Room 101 Kern. Theodore Vallance, human development, on "Values in the Structure of Political Action: An Early Empirical Test of a Model."

Tuesday, May 6

Comp. Lit. Luncheon, 12:15; talk, 1 p.m., Hotel State College. Kathryn Grossman, French, Beaver Campus, on "Fertile Hybrids and Illegitimate Heirs: Transcending Dissonance in *Notre Dame de Paris*."

University Faculty Senate meeting, 1:30 p.m., Altoona Campus.

Sports: lacrosse (women) vs. East Stroudsburg, 3:30 p.m.

School of Music Common Hour, 4 p.m., Music Bldg. Recital Hall.

Shakespeare film, *King Lear* (Scotfield), 6:30 p.m., Room 112 Chambers.

Comp. Lit. Film Series, Visconti, *The Innocent*, 7 and 9 p.m., Room 112 Kern.

*Dept. of Astronomy Lecture, 8 p.m., Room 119 Olinwood. Owen Gingerich, astronomy and history of science, Harvard Univ., on "Stonehenge and its Cousins: Megalithic Observatories."

*URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Wednesday, May 7

Music in Interesting Times Lecture, 3 p.m., Music Bldg. Recital Hall. Ezra Laderman, composer and music program director, National Endowment for the Arts, on "Funding the Arts."

Carroll C. Arnold Memorial Lecture, 3:30 p.m., Room 112 Kern. Dr. Paul Pilkonis, Western Psychiatric Institute, Univ. of Pittsburgh Medical School, on "The Rhetoric of Mental Health."

5 O'Clock Theatre, Chris Hanzsek, *Harry Nolan*, 5:15 p.m., Pavilion Theatre.

Comp. Lit. Film Series, *The Innocent*, 7 and 9 p.m., Room 112 Kern.

Shakespeare film, *The Tempest* (BBC), 8 p.m., Room 304 Bock.

*URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Composers' Concert, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, May 8

End of Another Year Special Dinner, 4:45-6:45 p.m., HUB Terrace Room.

5 O'Clock Theatre, Harry Nolan, 5:15 p.m., Pavilion Theatre.

Cinematheque, William Friedkin, *The Night They Raided Minsky's*, 6:30 and 8:30 p.m., HUB Assembly Hall.

Folklore Society, Square Dance, 7:30 p.m., Room 301 HUB.

Penn State Theatians, Rogers and Hammerstein, *Carousel*, 8 p.m., Schwab.

*URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Friday, May 9

Sports: golf (women), Lady Lion Spring Invitational, through May 10.

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Ronald Adler, geography, on "Whither Distance: Communications Technology and Society."

End of Another Year Special Dinner, 4:45-6:45 p.m., HUB Terrace Room.

5 O'Clock Theatre, Harry Nolan, 5:15 p.m., Pavilion Theatre.

Commonplace Theatre, *Monterey Pop*, 7 and 9 p.m., Room 112 Kern.

Penn State Theatians, *Carousel*, 8 p.m., Schwab.

*URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Penn State Brass Choral, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, May 10

Sports: golf (men), Alumni Tournament, 10 a.m.; track (women), Lady Lion Invitational, 10 a.m.

Horticulture Dept., Mother's Day Sale, noon-4 p.m., greenhouse behind Tyson Bldg.

Penn State Theatians, *Carousel*, 3 p.m. and 8 p.m., Schwab.

France-Cinema, *Children of Paradise*, 7 and 9 p.m., Room 112 Kern.

Loretta Greiman, flute, 8 p.m., Music Bldg. Recital Hall.

*URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Sunday, May 11

University Chapel Service, 11 a.m., Eisenhower Chapel. The Rev. John Dromazos, pastor, Pleasant Gap United Methodist Church, speaker.

Honors Convocation, 2 p.m., Eisenhower Auditorium.

Mother's Day Concert, Penn State Internationals Dancers, 3 p.m., White Bldg. Dance Theatre.

Penn State Glee Club Concert, 3 p.m., Schwab.

Commonplace Theatre, *Monterey Pop*, 7 and 9 p.m., Room 112 Kern.

Seminars

Friday, May 2

Analytical Chemistry, Nancy Redman, grad. student, on "Enthalpimetric Triglyceride Determination," 11:10 a.m., Room 333 Whitmore.

Acoustics, Edith Corliss, National Bureau of Standards, on "The Ear as a Mechanism for Communication," 3:45 p.m., Walker Conference Room. Applied Science Bldg.

Physical Chemistry, Heinz Rott, Bell Telephone Labs., on "EPR Studies of the Geometric Isomerism of Divalent Carbon Compounds," 4 p.m., Room 333 Whitmore.

Tuesday, May 6

Plant Pathology, Forrest Nutter, grad. student, on "Forecasting Losses from Seed-Borne Diseases," 9:45 a.m., Room 313 Buckhout.

Mitology, Kwang-Lung Lin, grad. student, on "Interfacial Properties of LMA3-HDNIS Extractant," 11 a.m., Room 541 Delke.

Organic/Inorganic Chemistry, Paul Bartlett, Univ. of California, on "Synthetic Models for Enzymic Transition-States," 12:45 p.m., Room 333 Whitmore.

Solid Waste Management, Robert Allen, Hazardous Materials Branch, EPA Region III, on "Update on EPA Hazardous Waste Activities," 2:20 p.m., Room 128 Sackett.

Engineering Science and Mechanics/Materials Research Lab, Richard Hoffman, physics, Case Western Reserve Univ., on "Micromechanics and Thin Film Properties," 2:30 p.m., Room 250 MRL.

Geosciences, Peter M. Lavin, geosciences, on "Waving-Arms, Fold-Arms and Lineaments: Basement Tectonics of New York and Pennsylvania," 3:45 p.m., Room 26 Mineral Sciences Bldg.

Engineering Science and Mechanics, L.H. Sibul, ARL, on "Signal Ambiguity Functions and Their Applications," 4 p.m., Room 232 Hammond.

Mathematics, E.W. Cheney, Univ. of Texas, on "Approximating Functions of Several Variables by Functions of One Variable," 4 p.m., Room 104 McAllister.

Surface Science, J. Sak, Rutgers Univ., on "Critical Behavior in Fluids," 4 p.m., Room 339 Davey.

Thursday, May 8

Economics/Institute for Policy Research and Evaluation, Burton Weisbrod, Univ. of Wisconsin, on "Wage Differentials Between the Private For-Profit and Nonprofit Sectors: The Case of Lawyers," 9:30 a.m., Room 101 Kern.

Ceramic Science, Ben Huie, Gulf Research and Development Co., on "Ceramic Oxides as Catalytic Materials," 11 a.m., Room 301 Seidle.

Chemistry, Jay K. Kochi, Indiana Univ., Bloomington, on "Structural and Mechanistic Aspects of Metal Complexes in

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Free Radical Chemistry," 12:45 p.m., Room 333 Whitmore.

Agriculture-Advising, Harvey Wall, DUS, on "Background, Components of an Effective System and Future Concerns of Advising at Penn State," 3:30 p.m., Room 121 Sparks.

Anthropology, Joseph S. Wetner, School of Hygiene and Tropical Medicine, Univ. of London, on "Tropical Origins of Man," 3:30 p.m., Room 107 Carpenter.

Physics, David Adler, MIT, on "Electronic Structure of Amorphous Semiconductors," 3:30 p.m., Room 445 Davey.

Agricultural Engineering, Gerald Longnecker, grad. student, on "Predicting the Position of the Weeting From Under-Tick Irrigation Source," 4 p.m., Room 248 Ag. Eng. Bldg.

Fuel Science, P.H. Given, fuel science, on "Progress in Understanding Coal Liquefaction," 4 p.m., Room 301 Seidle.

Aerospace Eng., Chunlii Han, res. assoc., on "Numerical Analysis of the Turbulent Wakes of Turboprop, Rotary Rotor Blades, Isolated Airfoil and a Case of Airfoils," 4 p.m., Room 232 Hammond.

Philosophy, David Lachtman, Swarthmore College, on "Utterance and Being in Parmenides," 4 p.m., Room 323 HUB.

Friday, May 9

Analytical Chemistry, Kenneth W. Curry, chemistry, on "GC/MS Studies of Organic Structures from Oxidation Degradation of Coals," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Gary Frenet, Univ. of Pennsylvania, on "State Resolved Reaction Dynamics in Molecular Beams," 4 p.m., Room 333 Whitmore.

Exhibits

Chambers Gallery: Undergraduate Art Education Exhibit, mixed media.

HUB Galleries: "Paintings of Two Pennsylvania Artists, Henry O. Tanner and Horace Pippin, through May 10; Jeanne Stevens Sollman, ceramic sculpture, opens May 11. The Gallery, "Landscape Architects Display Awards Exhibit, Browning Gallery, Ryan Nettles, sculpture, Gallery Lounge.

Mike Starnier, pottery and Rome Hanks and Friends, group photo exhibit, Art Alley.

Kern Gallery: Anne Curtis, ceramics, through May 5; Robert Bissett, photographs; Matt Reitz, glass, opens May 2.

Museum of Art: aspects of representation of the World War II — works from the permanent collection, through May 4.

Chinese export porcelains from the collection of Dr. and Mrs. Harold L. Tonkin, through May 11; recent work on paper by Diane Peep, highlights from the permanent collection.

Pattie Library: Nora Speyer, drawings, through May 9; Patricia O'Connor, paintings, opens May 9, East Corridor Gallery, Steven Dervin, photographs, through May 9; Dennis Amiller, photographs, opens May 9, Lending Services Lobby. Ceramics, group show, Main Lobby.

Robeson Cultural Center: "Four Perspectives — Four Artists, Robert Wilder, Anthony Brown, James Barefoot and Lawrence Jordan, mixed media, through May 10.

Visual Arts Bldg. Zoller Gallery: Graduate Thesis Exhibit.

* Asterisk indicates 125th Anniversary event.

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The following report culminates 2½ years of work involving observations, assessments, conclusions and recommendations by the Basic Skills Committee of the University Faculty Senate.

III. Basic Skills Program

Program in Mathematics and English

Upon admission to degree candidacy at Penn State, placement examinations in English and mathematics are administered to all students. Students scoring below specified scores are labeled deficient in English, in mathematics, or in both areas, and they are informed that the deficiency must be removed by the methods described below.

Mathematics. The placement exam in mathematics consists of 30 multiple-choice problems. Students who correctly answer 15 or fewer of these problems are considered deficient. Students may remove their deficiency only by passing the retake exam. Students may elect to take Math 0 to prepare for the retake exam; or they may choose to prepare for the retake exam by self-study.

English. The placement exam in writing consists of an objective test of 120 multiple-choice questions. Students who correctly answer 31 or fewer of these questions are considered deficient. Students deficient in writing may remove their deficiency by either passing English 4 (3 credits) or the retake exam. They may prepare for the retake exam through self-study. Most students elect to take English 4.

Students who do not remove their deficiency within three terms of enrollment are dropped from degree status.

Penn State Articulation with Secondary Schools

In the fall of the past four years, the Office of the Vice President for Undergraduate Studies has sent a letter to the principal of each Pennsylvania high school that had five or more students enter Penn State as baccalaureate degree candidates during an admission year. The letter reported to the high schools how well their graduates who enrolled at Penn State performed on their freshman English and mathematics placement tests. The response from the high schools to this communication was highly favorable. Reactions to the data prompted a conference in 1977 involving a number of high school principals, guidance counselors, and English and mathematics coordinators along with appropriate Penn State faculty and administrators to discuss this mutual problem. In addition, some high schools have sought advice from local Penn State campuses on how they might better prepare their students for college-level work. These efforts contributed to an ongoing dialogue between the University and the secondary schools in Pennsylvania on how we can better respond to the educational needs of Pennsylvania's youth. The continued decline of SAT scores and basic skills among students across the country.

VI. Basic Skills Program Evaluation

The Basic Skills program requires that upon admission students be tested in English and mathematics and that those classified deficient are required to remove the deficiency through retake examination procedures or by completing a special course for credit. Failure to remove deficiencies within three terms of enrollment results in a drop from degree status. During the two-and-one-half year history of the Basic Skills program at Penn State, thousands of students admitted with basic skills deficiencies have succeeded in removing deficiencies, and they have continued in their baccalaureate and associate degree programs. In this sense, the Basic Skills program has worked well, and it has achieved an objective—students once classified deficient have removed their deficiencies by way of special procedures and opportunities available through the Basic Skills Program. This is testimony to the success of the program. Another, perhaps higher, level of evaluation is what other outcomes can be observed among students who have passed through the Basic Skills Program. For example, does participation in the program improve student performance on specific courses or affect their cumulative grade-point average?

Evaluation of some of these aspects of the Basic Skills program was vested in a special three-member committee appointed by Vice President Robert E. Dunham in May 1978, one year after the implementation of the Basic Skills program. Chaired by Dr. Edmond Marks, and assisted by Drs. William Harkness and Paul Rigby, the Evaluation Committee prepared its own report and submitted it to the Senate Special Committee on Basic Skills in November, 1979.

The major findings of the Evaluation Report are mixed. In mathematics there was no evidence

An assessment of the Basic Skills Program for deficient students



to suggest that whatever students did to remove deficiencies narrowed the differences in academic performance between deficient and non-deficient students in subsequent math courses. This is not a surprising result since the math deficiency identifies students weak in arithmetic skills which are not the criteria for evaluation in college-level mathematics courses. In English some differences were observed. Among baccalaureate degree students at University Park and associate degree students at the Commonwealth Campuses there was evidence to suggest that taking English 4 improved the performance of deficient students in English 10, that is, deficient students who took English 4 performed better in English 10 than deficient students who did not take English 4. This outcome was not observed among deficient baccalaureate degree students enrolled at the Commonwealth Campuses. Other results of the Evaluation Report suggest that participation in the Basic Skills program does not affect student cumulative grade-point average or the rate by which students withdraw from the University. At no point was it expected, however, that participation in the Basic Skills program could influence such complex student variables.

In addition to reviewing the Evaluation Report, the Senate Special Committee on Basic Skills collected additional descriptive information on the Basic Skills program. Questionnaires were constructed to survey opinions of faculty in the English and Mathematics Departments. The results of these surveys indicate that the English faculty is very concerned with developing effective writing skills and generally accepts the value of English 4 as well as the present Basic Skills program. The Mathematics faculty, while interested in general expressed less acceptance of Math 0 and the present Basic Skills program. In the Committee's judgment, these differences do not reflect variable professional commitments; rather, they result from the recognition that English 4 is intimately tied to English 10 and 20, whereas Math 0, a course in basic arithmetic, is not directly linked to subsequent courses in algebra, trigonometry, calculus, or other college-level math courses.

Additional descriptive information concerning the effectiveness of English 4 was obtained from a special study of writing samples of English 4 students. Conducted by the English Department on students enrolled in English 4 at University Park during Fall Term 1979, the analysis showed that 40% of the students improved their writing, i.e., they wrote longer essays and made fewer errors. The rest of the class showed inconsistent results, i.e., they wrote longer essays, but they also committed a greater number of errors. These differences may be attributable to varying competency levels, because students in the former group were minimally deficient—scored just below the barely deficient—on the English placement test—while the latter group had much lower scores. This study, which was limited by a very small sample (25 students), suggests that English 4 is helpful to students showing a lesser degree of deficiency in writing skills while students with a greater degree of deficiency show less progress by taking English 4.

During the Fall 1979, each Commonwealth Campus was contacted by memorandum in order that the Basic Skills Committee might gather additional insights. As a group, the Commonwealth Campuses enroll the majority of students admitted with Basic Skills deficiencies, although the University Park campus has the largest number of deficient students of any single campus. The responses from many of the campuses were very encouraging in that several reported development of special academic services adjunctive to the University's Basic Skills program. Some of these programs have been supported by redirecting faculty and staff resources, and some have been supported by funds secured from other state or federal agencies. These experimental developments seem to be extremely positive. First, they are consistent with the original recommendations of the Commission on Remedial Education which viewed the Commonwealth Campuses as an environment rich with possibilities for experimentation and evaluation in Basic Skills areas. And second, these varying approaches may offer results which will prove helpful in deciding how best to respond to students weak in basic skills areas.

One aspect of the Basic Skills program which the Committee carefully reviewed is the provision which requires students to remove a

deficiency within three terms of enrollment or be dropped from degree status. This element in the program required the development of a procedure which tracks student removal of deficiencies—no small task at Penn State with its many campuses and students. The Coordinator of the Basic Skills program is responsible for developing and maintaining the tracking system, notifying students when their deficiency has been removed, and for informing the University Registrar when to drop students for failure to remove basic skills deficiencies. In the judgment of the Senate Committee, the Basic Skills Coordinator, and other closely associated with the program, these procedures are quite costly in time and money. Furthermore, their ultimate value is in doubt since removal of the deficiency—passing a retake examination or successfully completing English 4—doesn't appear to affect student academic performance except as noted earlier among certain types of students enrolling in English 4-10 sequence. Elimination of this aspect of the Basic Skills program would substantially reduce the cost of the program.

VII. Some Comments on the Future of Basic Skills Programs

When the Basic Skills legislation was adopted by the Senate three years ago, many hoped the program would be short-lived. Some believed elementary and secondary schools throughout the Commonwealth would recognize the need to strengthen their curricula in basic skills areas, and the "basic skills problem" in higher education would largely disappear. This notion, though desirable, is not supported by the facts. The problem of basic skills does not appear to have been caused by television, technology, the decline of family and society, or the like. Evidence suggests basic skills problems have historical roots in America.

The range of basic skill program types is considerable: credit courses, non-credit short courses, seminars, courses, tutorial assistance (either with professional staff or with student tutors), computer-assisted instruction, self-study programs, and more. But of all the specialized basic skills programs developed by institutions of higher education nationwide, there are none which can claim complete success in the removal of deficiencies. Furthermore, program types that are somewhat successful at one institution may fail at another.

A promising development is the learning center approach to developing effective basic skills. A learning center approach integrates diagnostic and academic support services to assist students with academic deficiencies. Here, specialized services in writing, mathematics, reading, study skills, etc., provide support necessary to meet individual student needs. These programs draw their strength from a holistic view of the student as requiring an individualized set of support services rather than viewing a student deficient in a skill area. Such an approach often provides developmental support services which extend beyond the freshman year. For example, many students don't know how to study effectively. A learning center approach would recognize this need at whatever time the deficiency is recognized. The learning center approach, as well as other basic skills programs, generally falls into two categories: those which offer required services, and those which offer optional services. The notion of a learning center approach is not foreign to Penn State since a number of Commonwealth Campuses have begun to develop special academic support services adjunctive to the Basic Skills program consistent with their special needs. These academic services together with special programs available through Basic Skills are the nucleus of a learning center. These campus centers represent an important evolutionary trend in dealing with students weak in basic skills areas. These programs are developing, they seem to be working, and the University may need to follow and learn from these campus experiences and encourage their development.

This section of the report concludes with two messages: first, there is a plethora of semi-effective basic skills programs in existence in the United States today, and secondly, students with academic deficiencies of varying degrees and in varying numbers will always be with us. Therefore the University is faced with a dilemma, i.e., ignore the existence of these problems or recognize that students with basic skills problems are evident at Penn State now—as they have been today at other colleges for more than one hundred years—and that we must attempt to deal with this fact in the most

efficient and effective manner possible for The Pennsylvania State University community. Assuming students with deficiencies are admitted in the first place, the University has only one alternative.

VIII. Conclusions

The Senate Special Committee on Basic Skills offers the following conclusions:

1. We acknowledge that students with Basic Skills deficiencies continue to enroll at the University. As far as we can determine, this trend is not likely to change, at least not in the near future. In fact, there is good reason to suspect that this problem may worsen in the 1980s.
2. In general, the present Basic Skills program functions well in that most students admitted with deficiencies successfully remove their deficiencies by the third term of enrollment. However, certain Basic Skills tracking and retake-testing procedures are costly in terms of time and money and are of questionable value.
3. Some evidence suggests English 4 assists development of effective writing skills as measured by student performance in subsequent English courses.
4. The relative value of Math 0 may be in doubt since the course is not a prerequisite to any other college-level mathematics course, and the mathematics faculty have expressed some reservations about the course, and the course is not designed to affect student performance in subsequent mathematics courses.
5. The Commonwealth Campuses as a group have the greatest need to provide specialized academic support services. It is important that allocation of fiscal resources to these services be maintained at an adequate level.
6. Experimental academic support programs adjunctive to the Basic Skills program are emerging at the Commonwealth Campuses. Although these programs have not been functioning long enough to be evaluated, they deserve careful review and encouragement.
7. Faculty must refer students who they suspect are weak in writing, mathematics, reading, or study skills areas to academic support services available. Once informed, students must assume full responsibility for taking advantage of available services.
8. Penn State's articulation with Pennsylvania secondary schools, designed to develop a dialogue on strategies for decreasing deficiency problems prior to college admission, is an ongoing activity which appears to be worthwhile and should be continued.

IX. Recommendations

The Senate Special Committee on Basic Skills offers the following recommendations:

1. Student academic commitment in writing and mathematics is certified through credit requirements in communications and quantification which are part of the Senate-approved Baccalaureate Degree Requirements (BDR).
- a. Credit courses in English designed to help students strengthen their writing skills (English 4) should be continued and made more effective to support these courses should likewise be continued.
- b. Since Math 0 is not directly linked to subsequent courses in mathematics nor is it a prerequisite to any other mathematics course, credit courses in mathematics designed to develop arithmetic skills (Math 0) are not recommended. This position is consistent with the Joint Presidential-Senate Commission's recommendation adopted by the Senate three years ago.
2. Tracking and retake-testing procedures and the provision which requires students to be dropped from degree status for failure to remove Basic Skills deficiencies within three terms of enrollment should be discontinued effective Spring Term 1980. Placement testing of entering students in English and mathematics will continue as in the past; however, students will no longer be labeled deficient nor will they be required to remove a Basic Skills deficiency. Since English 4 is a prerequisite to English 10 for students scoring 31 or below on the English placement test, students scoring below this score should continue to follow the English 4-10-20 sequence.

Adoption of this recommendation would require deletion of Senate Rules 54-10, 54-55, and 54-83—these rules establish that students who fail to remove a deficiency will be dropped after three terms. It would also require minor revisions in Senate Rules 12-30, 12-70, 16-10, 18-30, and 18-70: Senate Rule 12-30—Delete last sentence: "An applicant must demonstrate proficiency in basic arithmetic and writing skills in accordance with current University proficiency evaluation procedures before admission as a degree candidate." Senate Rule 12-70—Delete last sentence: (read same as Rule 12-30).

(Continued on page 5)

Basic Skills

(Continued from page 4)

Senate Rule 16-00 — Delete last part of first sentence: "... or for failure to demonstrate proficiency in basic skills."

Senate Rule 18-30 — Delete last sentence under No. 1: (reads same as Rule 12-30) also delete No. 3: "A person who has been dropped as a degree candidate from this university for failure to demonstrate proficiency in basic arithmetic and writing skills must follow the procedures of the college to which reinstatement is sought, and for readmission as specified in section 58-00."

Senate Rule 18-70 — Delete last sentence: (reads same as Rule 12-30)

3. The Vice President for Undergraduate Studies is asked to direct the Division of Undergraduate Studies (DUS) to revise the Student Profile Academic Abilities to show a student reading skills assessment. In consultation with other University agencies, DUS shall identify an appropriate instrument which measures student reading skills.

4. The Chairman of the Senate shall direct the Senate Committee on Undergraduate Instruction to assess the academic viability of alternate methods of dealing with students weak in basic skills areas, for example, a learning center approach. Furthermore, Senate monitoring of the Basic Skills program should be transferred to the Senate Committee on Undergraduate Instruction and the Special Senate Committee on Basic Skills should be discharged.

BASIC SKILLS COMMITTEE

Margot Allen

Ronald J. Harshbarger

Charles J. Hillson

Louisa J. Marshall

Richard L. McCarl

William Rabinowitz

John J. Romano, Chairman

Paul R. Shellenberger

Sally S. Small

Barbara J. Wanemaker

Guidelines proposed for Early Admission Program



At its May 6 meeting, the Senate will consider the following legislative proposal by the Committee on Admissions, Records, and Scheduling for the establishment of an Early Admission Program.

DEFINITION

Early admission means being admitted as a degree candidate prior to the completion of the final year of the secondary school and receipt of the diploma.

BACKGROUND/RATIONALE

Applications are received each year from high school juniors requesting early admission to The Pennsylvania State University. The University received requests for early admission from School Districts and Campuses that serve Pennsylvania School Districts. Some of these students have superb academic records, exceptionally high SAT scores, and would be welcomed in many prestigious colleges as active degree candidates prior to their completing the final year of their secondary school education. At present, Penn State policy does not permit admission of such students to active degree candidacy.

In May, 1977, an extensive report on early admission programs at other Universities, with a proposal for an early admission program at Penn State, was prepared by Geoffrey J. Harford. That, and other proposals made to the Admissions, Records, and Scheduling Committee in recent years, have helped shape the following proposed legislation.

For over a decade the University has permitted selected high school seniors (and, as exceptional cases, a very few juniors) to enroll in Penn State courses. The opportunity is limited to qualified students in specific high school districts which are cooperating with a specific campus program. These students cannot enroll as degree candidates. They must maintain a continuing enrollment in their high schools.

Most take six or fewer Penn State credits per term. They may register for courses as non-degree students (or occasionally as provisional students) only on a space available basis at the tail end of each registration period. While these students are carefully screened and usually do very well, they are not expected, as a group, to have demonstrated a readiness to undertake a full degree program, although some are clearly capable of doing so. They are not expected, as a group, to have completed all the Carnegie units required for admission to a Penn State College, although many have done that too. (Specific requirements and expectations for our current high school senior programs vary from program to program within limits set by Senate legislation.)

In brief, our current programs allow many students in a limited number of cooperating high school districts to take individual courses. These programs have served students and school districts well. They do not, however, represent a full early admission opportunity. Some exceptionally mature and academically superior students are ready and eager to undertake the responsibility of a full college degree program. These young people represent the kind of academic potential that faculty and administrators in all colleges and universities are most eager to recruit. At present, any such student who may be interested in Penn State must settle either for one of our high school senior programs (if his or her school district is cooperating in one) or go elsewhere. That is a loss to our community.

Good students demand and stimulate excellence in education. The proposed opportunity to enroll academically advanced, highly motivated, and exceptionally mature high school students is one way to attract good students. It will not substantially increase the size of our applicant pools. The few students the program would bring to Penn State, however, would represent an enrichment of our academic

climate and give further evidence of our commitment to cultivating quality. The program will complement the University Scholars program.

RECOMMENDATIONS

It is proposed that The Pennsylvania State University establish an Early Admission Program in accordance with the proposed guidelines. The program would provide an opportunity for highly qualified students who desire to leave secondary school early and proceed to University level work in a University setting as regular degree candidates. They would assume all the rights and responsibilities of other degree candidates. Annual reports on the results of this program would be made to the Senate through the appropriate Senate Committee. It is proposed that the Early Admission Program be a new program in addition to the existing Experimental Program for High School Seniors in which secondary school students may enroll in courses but cannot be matriculated.

PROPOSED GUIDELINES

1. Policies will be consistent at all campuses.
2. Matriculation will be effected after completion of the junior year in the secondary school only if the applicant maintains academic excellence through the junior year.
3. Early admission enrollment will be limited to a maximum of 5% of the freshman enrollment at each location.
4. An interview with the applicant and the admissions officer will be used to assist in the consideration of the subjective elements of an applicant's qualifications and to guarantee that all applicants are fully aware of their opportunities and responsibilities.
5. Offers of admissions will be limited to students who:
 - a. Have completed all admissions requirements, except possession of a high school diploma (including the minimal Carnegie units required by the College in which the student is seeking admission).
 - b. Predict PSU category 1 or 2 in the student's area of academic interest (science or non-science).
 - c. Furnish written permission and recommendation from the secondary school (principal and/or superintendent), appropriate high school counselor, and the student's parent or guardian.
 - d. Have a guarantee from the secondary school that a diploma will be granted on successful completion of the freshman year. (The high school will define what it considers successful).
 - e. Complete the regular freshman undergraduate admission application during the junior year of secondary school and have it submitted by the secondary school directly to the Undergraduate Admissions Office in University Park with supporting academic credentials.

COMMITTEE ON ADMISSIONS, RECORDS, AND SCHEDULING

Judd B. Arnold
Janet Atwood
John E. Ayers, Chairman
Mark K. Davis
Donald G. Dickason
E. Emory Encore, Jr.
Oscar Fox
Warren R. Haffner
Stephen Littell
Gina C. Russo
Robert E. Swope

Intent of UNICARE outlined for faculty and staff

Editor's note: Because the Employee Benefits Division receives many questions about Penn State's program for hospital, surgical and major medical benefits (UNICARE), its staff has prepared the following article presenting the background and philosophy behind the University's health care benefits.

The University has been providing health care benefits since April 1, 1939, but coverage has been changed many times over the years to respond to the needs of faculty and staff members. The changes have been guided by input from faculty and staff members and advice from an outside independent insurance consultant, together with the experience of the plan's administrators.

The philosophy of the University regarding health care benefits is to protect all regular faculty and staff members from the burden of catastrophic, high cost claims resulting from serious accidents or illnesses. Although the program covers many costs of routine treatments, that is not its major thrust; such "first dollar" medical costs do not threaten a family with financial disaster.

Two recent examples of high cost claims experienced by Penn State families illustrate how this philosophy functions in the UNICARE program:

Case A

Case provided for dependent child

Total Medical Bills	\$52,313.83
University Paid	\$51,776.63
Cost to member	\$ 537.20

Case B

Case provided for dependent child

Total Medical Bills	\$27,403.09
University Paid	\$26,746.06
Cost to member	\$ 657.03

Experiences such as these — and many others — demonstrate that the UNICARE program is effective in meeting the high cost of serious illnesses and injuries.

While administrative services for UNICARE are provided by The Equitable Life Assurance Society, the University's health care program basically is self-insured. The administrative services include the processing of claims payments, medical review services, advice on legal matters, and insurance to cover multiple catastrophic claims situations. Therefore, the cost to the University for health care benefits is the cost of each claim, plus a modest administrative charge. The coverage is not provided through a premium paid to the insurance company. In fact, each day after The Equitable has calculated the claims, the University is notified of the amount of monies needed to cover the costs of the claims. University

funds are deposited to cover the actual claims costs.

The University regularly monitors the claims processing by The Equitable for accuracy and timeliness. While, in general, service has been good, with approximately 40,000 claims being paid each year, some human errors exceeded expectations. The Equitable responded by assigning additional personnel and setting up a procedure to double check each claim, and a marked improvement occurred. The University intends to continue monitoring the claims paid and to insist on good service.

Employees should recognize that the UNICARE program is designed to pay for medical necessary treatment. One of the services the University receives from The Equitable is a monitoring of claims to insure that any treatment received is medically necessary.

Again, if changes for a specific treatment are determined to be excessive, payment will be provided only for the reasonable and customary allowance. This is one of the ways the insurance industry as a whole attempts to control the ever increasing costs of medical services.

Costs are a major concern to everyone today. In order for claims to be processed in the most efficient manner, faculty and staff members should complete their claim forms carefully when submitting charges. This saves time and expense in processing claims. Also, individuals should review the Explanation of Benefits form to be certain all treatments listed were received.

The UNICARE plan covers most medical and hospital charges; however, there are some items which do not come under the coverage of the program.

Principal among those exempted items are:

- Cosmetic surgery
- Immunizations
- Household drugs and supplies
- Travel and lodging
- Routine physical exams
- Charges above the reasonable and customary allowance

The Employee Benefits Division is always ready to assist faculty and staff members who have questions regarding any of the benefit programs.

Appointments

Robin A.J. Taylor as assistant professor of entomology, University Park. B.Sc., Ph.D., Imperial College, London, formerly senior research technologist, PSU.

Dr. John R. Little as assistant professor of medicine, renal and electrolyte division, Hershey, M.B., Ch.B. and Ph.D., U. of Otago, New Zealand. Formerly, assistant professor of Hahnemann Medical College and U. of Rochester School of Medicine and Dentistry; associate professor, U. of Maryland School of Medicine; chief medical resident, Good Samaritan Hospital, Baltimore.

Jon F. Harris as research assistant, Applied Research Laboratory. B.S., PSU.

John C. Parker, Jr. as assistant professor of general engineering, York. B.S., Lehigh U.; M.S., PSU. Formerly project engineer, Bendix Corp.



Altoona Campus

(Continued from page 1)

led by J.E. "Ted" Holtzinger and James McNeal — raised \$5,000 to start the Altoona Undergraduate Center (AUC) in an abandoned downtown grade school. During World War II, while many local men were in the service, the Campus maintained its vitality by acquiring a dormitory and recruiting out-of-town women. In 1946, as veterans flocked to the Center, the Advisory Board raised \$50,000 to purchase 38 acres of the former Iydsie Amusement Park in Juniata Gap, which is now the site of the Campus.

By 1949, the AUC had become the focal point for Penn State Extension and associate degree programs for six central Pennsylvania counties. In 1958, with the opening of the privately financed E. Raymond Smith Building for classrooms and administrative offices, the AUC became the Altoona Campus of the University.

With seed money provided by local fund-raising campaigns, the building program accelerated, the principal additions being new dormitories, the Slep Student-Faculty Center, the Robert E. Eiche Library, the Steven A. Adler Physical Education Building, the Science I Building and the J.E. Holtzinger Science Building. The Advisory Board continued to acquire more land, bringing Campus holdings to 94 acres.

A 13th structure, the privately financed All Faiths Chapel, opened in 1971, completing the physical plant.

"Our Fall Term resident instruction population was over 1,800, a 10 percent increase over last year and the highest we've ever had," Dr. Veach points out. "Of that total, about 425 reside in dormitories, the rest living in off-campus housing or commuting from their homes. In addition, the Campus has 7,000 to 8,000 student enrollments in Continuing Education each year, serving the adult population in both business and industry as well as the non-traditional student in formalized evening college courses."

Dr. Veach is especially pleased with the Campus's consistently low rate of student attrition. Last year's 14 percent attrition rate tied with that of the Hazleton Campus as the lowest in the Commonwealth Campus system.

"Our high retention rate is influenced by a combination of factors. Students like the small college atmosphere and the aesthetics of the Campus," Dr. Veach says. "It's an active, busy Campus, with many athletic, social and cultural events. There are 33 student organizations on Campus, including a radio station, an award-winning newspaper, social fraternities, a freshman honorary society, and a broad-based intercollegiate sports program."

The Campus stresses services to students, among them an innovative basic skills program. The core of this program in math and English now includes a diagnostic, a reading specialist and two faculty coordinators. Dr. Veach believes that the basic skills program has positively affected student retention and is one more manifestation of Altoona's provisional



All Faiths Chapel

students as regularly admitted undergraduates.

"While many factors play a role in retention," Dr. Veach says, "the basic reason for our success is the quality of our faculty members. An excellent faculty is essential in providing a strong foundation for our undergraduates, and the Altoona Campus has such a faculty."

"Several of our faculty members have distinguished themselves in teaching and/or research. Among them are:

Dr. Donald Fahnlne: assistant professor of physics, is the 1980 Campus nominee for the DiMeo Award for Instructional Improvement. Last year he was the Campus nominee for the Lindback Award. In 1977, Dr. Fahnlne took first-place laurels in the Apparatus Competition of the American Association of Physics Teachers.

Dr. John Lennox: assistant professor of microbiology, is the 1980 Campus nominee for the Amoco Teaching Award. He has published many articles on the teaching of biology, along with research on stream contamination in Blair County.

Dr. Carol Nowak: assistant professor of human development, has published numerous articles on gerontology and has conducted funded studies on Altoona family life. She is also part of a team approved for a three-year \$178,000 grant from the National Institute on Aging.

Eduin G. Parrish: assistant professor of general engineering, received the Excellence in Teaching Award from Penn State's College of Engineering in February of this year for his ratings on effectiveness teaching surveys conducted by the College and on recommendations of colleagues and students.

Dr. Sukhjit Singh: associate professor of mathematics, has achieved an international reputation through his publications in topology.

Dr. Athleen Stere: associate professor of biology, is the 1980 Campus nominee for the Lindback Award. She has published research on the study of hypoxic-exposed rats.

In addition to offering the first two years of the University's 122 baccalaureate degree programs, the Altoona Campus offers many associate degree programs, enrolling about 25 percent of its resident instruction students. Next fall, it will add a computer science program and the surface mining option of the mining technology program. The associate degree in retailing is unique to the Altoona Campus and provides practicum at major stores throughout the State.

"We conduct periodic needs assessments among Blair County schools to determine interests in associate degree programs," Dr. Veach points out. "Our Advisory Board, currently chaired by Jack Foreman, has been very helpful in assessing the direction of our associate degree and Continuing Education curricula. They're our educational liaison with the community."

"Advisory Board members have always been helpful in our admissions through their contacts and influence within the community, and they're very much involved in our total public relations effort. They represent the Campus at many community functions, and they select outstanding citizens to be honored with our Gold Medal Award each year."

"We also have a strong, active Altoona Campus Alumni Society, representing more than 10,000 graduates. This organization continues to increase its effort in student recruitment, fund-raising, and fostering loyalty to the Campus."

"When the representatives of the University Senate come to the Altoona Campus on May 6, they will see that in setting, programs, spirit and mission, the Altoona Campus is indeed a microcosmic reflection of the greater University," Dr. Veach concludes. "During the 1980s, these perceptions will guide the Altoona Campus in its continuing close relationship and service to its students and community. Perhaps more than ever before, we will seek the counsel of our local constituencies to cement our mutual commitment to quality education and community service."

74% of PSU's graduates quickly find employment

Seventy-four percent of Penn State's bachelor's degree recipients find employment within three months of graduation.

According to a Career Development and Placement Center survey, another 12 percent are headed for graduate school, and 11 percent were unemployed 90 days after picking up their diplomas.

Approximately 3 percent said they were waiting to hear from graduate schools, had jobs pending but hadn't started work or were not actively looking for work.

"The major problem facing most college graduates is not unemployment," says Dr. James M. Slick, manpower information specialist for the Career Development and Placement Center. "It's underemployment — not finding the job that meets the student's level of expectation or the level to which predecessors were hired."

"Employment opportunities for the 1979 college graduate were better than any year since 1970," he adds, "and the improvement in the employment market is projected to continue into 1980."

Dr. Slick's conclusions are based on responses from more than 5,700 Penn State graduates between November 1978 and May 1979. That's more than 60 percent of those who earned associate, bachelor's, master's and doctoral degrees at the University during that period.

The national demand for engineers is reflected in the fact that 91 percent of the College of Engineering's bachelor's degree recipients had jobs within three months. Only 3 percent were unemployed.

The lowest average starting salary paid to bachelor's degree graduates in any engineering discipline was \$15,879.

The Colleges of Business

Administration and Earth and Mineral Sciences also were quite successful in placing graduates. Those with diplomas from the Petroleum and Natural Gas Engineering curriculum have the highest average starting salary — \$21,761.

"Employment figures alone can be misleading," Dr. Slick cautions. "In the College of Science, for example, fully one-third of all bachelor's degree recipients go directly to graduate school."

Grad school is also a popular option for those earning degrees in liberal arts, agriculture, and arts and architecture.

Despite publicity about teacher surpluses, there was an increase in the number of College of Education grads entering the classroom as teachers. Fifty-six percent of education degree earners had classroom positions compared to 45 percent a year ago; another 19 percent were in non-teaching jobs.

"It should be noted that since the survey is taken only three months after graduation, it's reasonable to assume that if re-surveyed at a later time, the results would show more graduates employed in fields for which they prepared," Dr. Slick notes.

Three factors other than supply and demand affect the employment of graduates, he says. These include career goals which require advanced degrees, the willingness of graduates to change geographic locations to find jobs, and their previous employment history.

"Many of the graduates involved in this survey had previous full-time work experience related to their college major. In some instances they will continue with their former employer."

The survey also showed that the employment rate for associate, master's and doctoral degree recipients was low. Associate and master's degree graduates had 6 percent unemployment while Ph.D.s had a 5 percent rate.



Dr. Carson Veach

News in Brief

Gerontology Center announces Summer Series

The Gerontology Center of the University will offer its Fifth Annual Summer Series in Gerontology July 7-18.

Researchers, teachers, students, older adults, human service practitioners and interested laypeople are invited to participate in a variety of credit courses, research seminars, practitioner workshops and public lectures, according to Dr. Dennis Hamelster, Series coordinator.

"The Summer Series brings participants together in a living-learning environment and provides formal and informal opportunities for sharing learning experiences and exchanging viewpoints," he says. "Flexible scheduling enables participants to attend two weeks, one week, one or two days, or as little as a two-hour evening."

For further information, write Dr. Hamelster in care of the Summer Series in Gerontology, Amy Gardner House, University Park, PA 16802, or call him at (814) 865-1767.

Ballroom Dance Club seeks faculty adviser

The Penn State Ballroom Dance Club is seeking a new faculty adviser and other persons interested in helping to teach the various styles of ballroom dancing — the fox trot, polkas, and Latin dances. Club members meet Friday evenings from 7 to 8:30 in Room 133 White Building. For further information, call Chris Brennan at 238-5711 or Fred Borchuck at 865-9774.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until p.m., May 8, 1990. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

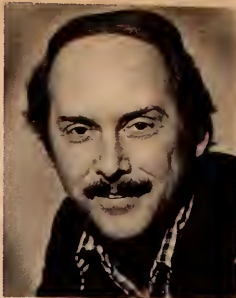
Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ASSISTANT FOOD SUPERVISOR — HOUSING & FOOD SERVICE, University Park. Responsible for assisting in the supervision of dining hall operations. Duties include: preparing requisitions, supervising daily housekeeping of dining hall area, supervising food preparation, interviewing and hiring part-time employees and maintaining dining hall records. Bachelor's degree in hotel and restaurant management, institutional management, food and nutrition, or equivalent, with 3-12 months of effective experience.

SUPERVISOR, SURGERY RESEARCH ANIMAL LAB — COLLEGE OF MEDICINE, Hershey. Responsible for hiring, supervising, evaluating, and training Animal Care Technicians. Assist in the animal operating room in the implantation of artificial hearts and/or mechanical circulatory assist pumps, etc. Perform clinical lab work. Bachelor's degree in biology, plus one year of effective experience or any combination of experience and formalized training.

SENIOR CLINICAL DIETITIAN — COLLEGE OF MEDICINE, Hershey. Responsible for the development, coordination and evaluation of patient nutritional care and educational program in specialty areas, e.g. pediatrics, renal, critical care complex, radiology patients, etc. Serve as a nutrition specialist for physicians and other health care professionals. Establish, implement and evaluate standards of nutritional care for quality assurance studies. A bachelor's degree in food and nutrition or equivalent, plus an approved internship or traineeship and registration, and two to three years of effective experience. Master's degree is preferred.

COORDINATOR, CAMPUS RESIDENTIAL LIFE — Beaver, McKeessport Campus. Responsible for the Office of Student Affairs for carrying out specific responsibilities for the Residence Hall program. The responsibilities include administration of the conduct standards system, selection and supervision of student assistants, developing cultural, social and educational programs, and counseling of students. Bachelor's degree or equivalent, plus one to two years of directly related experience required; or a master's degree or equivalent in student personnel or related field, with three to six months of residential hall experience.



Robert O'Hearn

URTC invites guest designer

The University Resident Theatre Company's final presentation of the 1979/80 season, *The Taming of the Shrew*, opens tonight (May 1) in The Playhouse and continues through May 17. As with all the company's productions, the play features a mixed cast of student and professional performers. However, this is the first URTC show for which the scenic design has been created by a guest professional designer.

He is Robert O'Hearn, a designer whose name appears in *Who's Who in America* and who is a member of United Scenic Artists. His portfolio includes designs for plays, operas, and ballets — among them the *Marriage of Figaro*, *Parsifal*, and *Der Rosenkavalier* for the Metropolitan Opera Company. *The Nutcracker Suite* for the Los Angeles Ballet; *Carmen and Swan Lake* in Strasbourg; and *The Pearl Fishers* for the New York City Opera.

In addition to his design work with URTC, Mr. O'Hearn's residence at Penn State includes a series of lectures and seminars on design.

Tickets for *The Taming of the Shrew* may be reserved by calling 865-1884 from 10 a.m. to 6 p.m. Mondays and 10 a.m. to 9 p.m. Tuesdays through Saturdays.

'Concert in the Park' is slated

The University's Concert White Band will present its annual "Concert in the Park" at 7 p.m., Monday, May 5, at Fisher Plaza.

Selections will include tunes from the Broadway musical, *Annie*, a medley of other popular Broadway show tunes, marches from the era of the town park bands, and a travelogue of music from other lands.

The band is under the direction of Dr. Darhyl S. Ramsey, assistant professor of music education.

The audience is invited to bring blankets, lawn chairs, or even a picnic supper to the concert, to which admission is free.

In case of rain, the concert will be held Monday, May 12, same time and place.

Workshops are offered

Three Continuing Education workshops for secretaries will be offered this month in Keller Conference Center. They are:

— Stress and the Secretary, May 6: topics to include sources of stress in the work place, identifying personal symptoms, stress reduction techniques, and deep muscle relaxation.

— Oral Communication in the Office, May 16: topics to include overview of communication in the office, communicating interpersonally and nonverbal communication in the office; oral communication problems and strategies.

— Writing Skills for Secretaries, May 22: topics to include proper intention in communication, complex ideas and simple sentences, logic of grammar and punctuation, and diplomatic editing.

For further information contact the Conference Center at 865-7557.

Harvard astronomer to talk

"Stonehenge and Its Cousins: Megalithic Observatories" is the title of an illustrated lecture to be presented Tuesday, May 6, by Dr. Owen Gingerich, professor of astronomy and history of science at Harvard University.

The talk, which is scheduled for Room 119 Osmond Laboratory at 8 p.m., is sponsored by the Department of Astronomy and is part of the official observance of the University's 125th Anniversary.

Dr. Gingerich is noted for his ability to convey the excitement of astronomical topics in laymen's terms. The author of more than 200 technical articles and reviews, he has also written on astronomy in several encyclopedias and popular scientific journals, and he is widely known as the editor of a collection of Scientific American articles entitled "New Frontiers in Astronomy."

He serves as associate editor of the *Journal for the History of Astronomy* and on the editorial board of the *American Scholar*, the Phi Beta Kappa quarterly. At Harvard he teaches "The Astronomical Perspective," a core science course for non-scientists.

Dr. Gingerich has served two terms as President of the International Astronomical Union's Commission on the History of Astronomy and a term as councilor of the American Astronomical Society (AAS). He is currently organizing a Division of Historical Astronomy for the AAS. He is a member of the American Philosophical Society and the American Academy of Arts and Sciences.

HUB features ASLA display

The Professional Awards Traveling Exhibit of the American Society of Landscape Architects (ASLA) is on display through May 17 in the Browning Gallery of the HUB on campus.

The works of professional landscape architects, all honor and merit recipients in a national competition held by ASLA, were selected for the exhibit. Projects in the show range from designs for public and private housing to planning aspects for the Forest Service.

Pitt psychiatrist to give Arnold Lecture

Dr. Paul Pilkonis, assistant professor of psychiatry at the Western Psychiatric Institute of the University of Pittsburgh's Medical School, will speak at the third annual Carroll C. Arnold Memorial Lecture next week. The lecture, open to the public, will begin at 3:30 p.m. on Wednesday, May 7, in the auditorium of the Kern Graduation Building.

Speaking on "The Rhetoric of Mental Health," Dr. Pilkonis will discuss non-pharmaceutical approaches to personality problems, particularly depression.

The lecture series was established by the Department of Speech Communication to honor Dr. Arnold, who retired as professor emeritus of speech communication in 1977.

New office

(Continued from page 1)

interactions and aiding faculty members in building new ones will be primary Industrial Research functions," Dr. Cunningham adds. "Research under industry or industry-government agency support will be as usual be the responsibility of the principal investigator. Project negotiating assistance of the type provided by the SIR program will be available on request."

Mr. Lundy sees benefits to the University in terms of opening new sources of research support, exchange of ideas and knowledge between Penn State faculty members and industry.

development of long-term relationships for the faculty as well as good will for the University, and enhancement of employment opportunities in industry for students participating in research.

Dr. John W. Davis, a research associate in the Center for Air Environment Studies, and Dr. John W. White, professor of floriculture, have been named associate directors of Industrial Research and Innovation. Dr. White is a well known researcher in greenhouse energy conservation and has contributed to the concept of movable thermal blankets. He directs research in solar methods of heating greenhouses, heat storage in eutectic salts and water, and heat conserving properties of alternative greenhouse structures.

Dr. Davis is a specialist in air pollution abatement in industrial environments and has for several years researched the use of olive molding sand in reducing airborne silica in foundries. Such projects are vital to Pennsylvania foundries struggling to meet Office of Occupational Safety and Health Administration standards.

"In the next few months, we'll open a dialogue with industry executives about research and information exchange opportunities," explains Mr. Lundy. "We welcome contacts from faculty members interested in exploring new industrial research and will assist them in continuing or renewing present contacts."

Persons wishing more information should contact the Office of Industrial Research and Innovation, Room 225 Pond Laboratory, University Park, PA 16802 (814) 865-9519.

University policy regulates employment of minors

State and federal regulations and University policy on the employment of minors should be kept in mind by those who contemplate hiring summer help, according to the University's Employment Division.

The law defines a minor, for employment purposes, as anyone under age 18 who has not been graduated from high school. (There is an exception to this. If the chief administrator of the school district determines that an individual under age 18 has attained his or her academic potential and declares that a high school graduation is not required, that person no longer is considered a minor for purposes of employment.)

By University policy, PS-2,

Employment of Minors, a person under 16 years of age is not permitted to work for the University under any circumstances. In addition, by law, no minor age 16 or 17 may be employed by the University, even for one hour, unless he or she obtains and submits a certificate of employment (commonly called "working papers").

The certificate of employment is issued by the public school authority in which the minor resides. (Certain special

arrangements for obtaining certificates can be made for minors who attended school a long distance from the area in which they are being employed.) The employment certificate must be on file in the University's Employment Office (or appropriate business or personnel office at facilities away from University Park) before a minor begins to work. The certificate is issued for a special job, and a minor cannot be transferred from one job to another unless a new certificate is obtained for the new job. Also, the Employment Division must be notified when the minor terminates, so that the certificate can be returned to the issuing school district.

Where there is any doubt about the age of an applicant for a position, the applicant must submit a proof of age card. This card also is issued by the minor's school district. A birth certificate should not be requested.

Persons contemplating employing a minor should refer to policy PS-2. Any questions concerning the policy or the employment certificate procedure should be directed to the Employment Division at 865-1387 (Network number 475-1387).

Current faculty sabbatical policy is described by PS-17

Because of the current interest in sabbatical procedures at Penn State and because of some recent changes in these procedures, the Senate Office is publishing below the latest version of the policy PS-17, Leave of Absence with Pay (Sabbatical). PS-17 defines the eligibility requirements, the deadline for application, and other considerations of which the faculty must be aware.

PURPOSE: To provide a period of time for study or research, the object of which is to enable recipients to increase their usefulness in their work with the University. A leave with pay (sabbatical) is a privilege which may be granted to an individual who has demonstrated, preferably by published or otherwise recognized work, substantial ability in scholarship, research and training, or other creative work.

ELIGIBILITY FOR FACULTY: Faculty members with standing appointments are eligible for sabbatical leaves if all of the following conditions are met:

1. They hold the rank of Professor, Associate Professor, Assistant Professor, Senior Research Associate, Research Associate, Librarian, Associate Librarian, or Senior Academic Librarian. (This includes academic administrators carrying such ranks.)
2. They have served the University for a minimum of six calendar years, including at least 18 terms of full-time service;
3. They either:
 - a. Possess tenure, or
 - b. If in an untenured position have served at least seven years in one of the ranks listed in number one above. In such instances, the use of restricted funds for sabbatical leaves must be permitted by the granting agency.

ELIGIBILITY FOR CERTAIN STAFF-EXEMPT PERSONNEL:

The following personnel who have served the University effectively for a minimum of six (6) calendar years of active, full-time service and who have arranged to use the leave for graduate training are eligible to apply:

1. Cooperative extension personnel with the titles: Senior Extension Agent, Extension Agent, Associate Extension Agent, or Assistant Extension Agent.
2. Continuing Education personnel with the job titles of Assistant Director for Continuing Education, Area Director, Area Representative including Coordinators and Specialists in various subject matter or program areas.
3. Staff exempt personnel permanently assigned away from University Park and whose positions require the attainment of advanced degrees in the judgement of the appropriate functional member of the President's staff.

ELIGIBILITY FOR EXECUTIVES AND ADMINISTRATORS:

When unusual circumstances warrant, employees classified as Executive or Administrator who have served the University effectively for a minimum of six (6) calendar years of active full-time service may apply. Such applications shall be reviewed by a staff committee made up of the Provost and the two senior vice presidents which shall make a recommendation to the President.

AGE LIMITATIONS: A leave with pay is not granted to an individual who, because of mandatory retirement age requirements, would not provide two contractual years of full-time service to the University following return from leave.

APPLICATIONS FOR LEAVE: Application for leave with pay (sabbatical) shall be made on a form provided by the University (General Forms Usage Guide Form GS-19, see page 4.22) and shall be submitted with the department head's recommendation to the cognizant dean. The dean shall forward the application to the college-level sabbatical leave committee, which shall be appointed by the dean in consultation with the approved faculty organization. This committee shall review the application, consult with whomever is appropriate and desired, and submit its recommendations to the dean. The dean shall consider the recommendations of the department head and the college committee and, after careful fiscal and academic load considerations, determine whether to forward the application for review to the Provost of the University, with his/her own evaluation and recommendations appended. Applications which the dean decides to support are submitted to the Provost who appends his/her recommendations, giving particular attention to equity and fiscal considerations, and forwards them to the President of the University for final review and approval.

The director of the Intercollege Research

Programs and Facilities shall perform the same functions as the dean in appointing a review committee, reviewing applications, and submitting recommendations for faculty members associated with Intercollege Research Programs and Facilities. An institute or faculty director shall function as a department head in reviewing and processing applications.

In the case of faculty assigned to Commonwealth Campuses, the Campus Director shall forward his/her recommendations to the Dean of Academic Instruction for Commonwealth Campuses. The Dean shall review the recommendations and forward to the appropriate college dean those which he/she supports. All college deans will forward their recommendations for faculty at the Commonwealth Campuses to the Dean of Academic Instruction for Commonwealth Campuses, who shall be responsible for ensuring that equitable fiscal and academic load considerations are applied throughout the system.

If the Dean of Academic Instruction for Commonwealth Campuses and the college dean recommend against approval, the application shall not be sent to the Provost of the University. If both are positive in their recommendations, or if the recommendations are split, the application is forwarded to the Provost of the University.

GENERAL CRITERIA FOR REVIEW OF APPLICATIONS:

The following broad criteria are pertinent to the review and evaluation of sabbatical leave applications:

1. To what extent has the candidate demonstrated previous scholarly productivity in the area of proposed activity, and is the proposal a natural extension of prior experiences? If a change in scholarly direction is indicated, is a rationale presented?
2. Is the plan for the academic leave detailed, comprehensive, and sound? Are the objectives specified, is the significance of the work described, is the methodology appropriate, and are the expected products listed?
3. Is the candidate committed to the project and is he/she prepared to do what the plan proposes?
4. To what extent will the academic leave contribute to the candidate, to his/her colleagues, and to undergraduate, graduate, public service, and research programs in the department and college?
5. Can assurance be given that approval of the sabbatical leave will not jeopardize the quality and scope of the program and that the candidate's responsibilities can be maintained in his/her absence?
6. If the candidate is to visit or coordinate work with another facility, is there evidence that the candidate has contacted those responsible for that facility and has been accepted by them?
7. To what extent does the proposal have the support of the candidate's department head and/or faculty colleagues?

PRESENTATION BY DEAN: The dean is responsible for evaluating the proposal in terms of the above criteria, and should present information support applications for leaves with pay. It is essential that the applicant submit a carefully developed plan for the use of the leave indicating how the completion of the plan will enable the applicant to improve research and/or teaching ability and other services to the University.

APPROVAL OF LEAVES WITH PAY: The decision on applications for leaves with pay will be made by the President after consideration and recommendation by the Provost.

DEADLINE FOR APPLICATION:

Applications for leave of absence with pay shall be submitted to Personnel Administration by November 15 for action by January 1.

LENGTH OF LEAVE: The leave with pay may be granted for a maximum of one calendar year (four terms). The period of leave may include terms in two consecutive academic years. However, such leaves are granted only for terms during the faculty member's regular salary contract period. Pay for such a leave comes from either University funds or sponsored project funds if permitted by the sponsor.

SALARY PAYMENTS WHILE ON LEAVE:

Those eligible for a leave with pay may elect to apply for one of the following options:

If Salary Contract Is	Salary Payments May Be For
Plan A	(a) 2 terms (6 months or 24 weeks) at full pay (b) 3 terms (9 months or 36 weeks) at two-thirds pay (c) 4 terms (12 months or 48 weeks) at half pay
Plan M	(a) 2 terms (6 months or 24 weeks) at full pay (b) 3 terms (9 months or 36 weeks) at two-thirds pay
Plans B through L	(a) 2 terms (6 months or 24 weeks) at full pay (b) 3 terms (9 months or 36 weeks) at two-thirds pay (c) the entire year of service off with pay not to exceed the minimum dollars payable in option (a) above

No additional financial support of any kind other than that provided in this section shall be provided by the University.

MEMBERSHIP IN EMPLOYEE BENEFITS WHILE ON LEAVE:

An individual who is granted a leave and who is a member of the University's insurance program is required to maintain membership during the leave. If the individual is a member of a retirement plan in effect at the University, the individual is required to contribute to that plan. The amount that is contributed is determined by the salary received from the University during leave. (NOTE: An individual who is granted a leave of absence with less than full pay within three years of retirement should contact the Employee Benefits Division to determine in what manner the leave of absence will affect retirement income.)

ELIGIBILITY FOR EDUCATIONAL PRIVILEGES:

A person who is on leave of absence with pay and who is eligible for education privileges will retain those privileges during the period of the leave. Dependents of faculty or staff members who are eligible for Grants-In-Aid will retain the eligibility during the time that the staff member is on leave with pay.

RETURN TO ACTIVE SERVICE REQUIREMENT:

Individuals granted leaves with pay are required to return to full-time active service with the University for two (2)

consecutive contractual years or, if they do not return or do not remain for the full two years, to refund all of the salary received from the University during the leave. There will be no proration of the amount to be returned if an individual remains for any time less than the two years.

REPORT OF WORK ACCOMPLISHED: At the conclusion of the leave, the recipient is required to submit a report of the work accomplished to the President via the department head and dean. The report should indicate how the experience improved the recipient's capacity to serve the University. In general, the reports are to be submitted within two months of the return from leave.

SUBSEQUENT LEAVES WITH PAY: An individual becomes eligible to apply for a subsequent leave with pay under the terms and conditions specified above, provided that a period of at least six (6) calendar years of active full-time service, including at least eighteen (18) terms of active full-time service, have passed since beginning a previous leave with pay.

Campus Update

Donald Gravatt, deputy commissioner of the Philadelphia Police Department, will deliver the principal address at a two-day conference on urban crime, sponsored by the Delaware County Campus on May 2 and 3.

The conference will examine the dimensions of urban crime from the viewpoints of law enforcement officers, correctional personnel, municipal and community leaders, and educators. Representatives from colleges and agencies in six states will participate in panels and discussions.

Provost Eddy will deliver the opening remarks. In addition to Mr. Gravatt's talk, panel discussions are planned on women and crime, sentencing reform, use of deadly force, and community crime prevention.

The conference, which is part of Penn State's official observance of its 125th anniversary, is one of a series of annual public conferences sponsored by Delaware County to examine various problems in contemporary life.

Report of Nominating Committee for 1980-81

The Nominating Committee, consisting of the elected representatives of Senate Council, met April 24, 1980. The following list of nominees was transmitted to the Chairman of the University Faculty Senate prior to the April 24, 1980, Senate Council meeting for subsequent distribution with the Agenda for the May 6, 1980, meeting of the University Faculty Senate. Additional nominations may be made from the floor of the Senate May 6, 1980.

CHAIRMAN-ELECT OF THE SENATE

Edward H. Klevanos
M. Frank Mallett
Robert F. Schmalz

SECRETARY OF THE SENATE

Martha A. Adams
Nancy M. Tisdler

FACULTY ADVISORY COMMITTEE

(One to be elected for a three-year term)

Richard A. Dixon
Erwin Eloff
Richard L. McCarl

Patricia M. Overdeer
FACULTY RIGHTS AND RESPONSIBILITIES

FACULTY - UNIVERSITY PARK (3 to be elected: 1 regular and 2 alternates) (3-year terms)

Donald M. Gidder
Daniel R. Frankl
Arthur E. Goldschmidt, Jr.

Benjamin N. Henszey
Stanley P. Mayers, Jr.
Matthew Rosenshine

FACULTY - OTHER THAN UNIVERSITY PARK (1 to be elected as member) (3-year term)

Samuel V. Bohling
William L. Ensky
NOMINATING COMMITTEE

A.K. Anderson, Jr.
M.A. Barendse
E.L. Bergman, Chairman

R.M. Blackson
J.J. Coyle
E.E. Encosre, Jr.
P.A. Klein

E.S. Lindstrom

J.A. Lewis

S.P. Mayers, Jr.

P.M. Overdeer

E.W. Miller

M.E. Murray

S.S. Small

N.M. Tisdler

STANDING JOINT COMMITTEE ON TENURE

(Two-year terms - Two to be elected)

Ernest A. Harrison, Jr., York

Lowell L. Manfull, A&A

Mary McCammon, Science

Russell A. Reed, Berks

UNIVERSITY PROMOTION AND TENURE REVIEW COMMITTEE

(Two-year terms - Three to be elected)

Charles A. Cole, Capitol

Donald L. Filippelli, LA

John Kolesar, Wilkes-Barre

George L. Mauner, A&A

Robert F. Schmalz, E&MS

William D. Taylor, Science

COMMITTEE ON COMMITTEES AND RULES

John J. Coyne

Thomas E. Daubert

Joseph A. Dixon

Mervin J. Hosteler

George W. Franz

Louis P. Ingers

Author O. Lewis, Jr.

George J. McMurtry

Patricia M. Overdeer

John S. Patterson

Lee W. Saperstein

Sally S. Small

Howard W. Thoele

Penn State Intercom



Prof. Aurand



Prof. Mitchell



Prof. Mills



Prof. Goodwin



Prof. Coyle

AMOCO, DiMeo recipients will be honored on Sunday

Four Pennsylvania State University faculty members have been named recipients of the 1980 AMOCO Foundation Outstanding Teaching Awards, given to recognize excellence in teaching performance by senior faculty members in the undergraduate program.

The recipients are H. Eugene Goodwin, professor of journalism at University Park; Robert B. Mitchell, associate professor of biology at University Park; Mervyn C. Mills, associate professor of English and humanities at the Ogotz Campus; and Harold W. Aurand, associate professor of history at the Hazleton Campus. A \$1,000 check accompanies each award.

Provost Edward D. Eddy said the recipients were chosen from a group nominated by faculty members and students and were recommended as finalists by a University Council committee of faculty members and students chaired by Dr. Robert E. Dunham, vice president for undergraduate studies.

The awards will be presented at the May 11 Honors Convocation.

Prof. Goodwin, a former reporter and

editor for the *Washington Star*, the Associated Press and the *Baltimore Sun*, came to Penn State in 1957 as director of the School of Journalism, resigning the post in 1969 to teach full-time. According to Dr. Robert O. Blanchard, current director of the School, Prof. Goodwin is "a demanding teacher who can teach both skills and theory courses and both lecture and lab courses."

His curricular contributions to the School involved transforming the news editing course from a seminar to a practical editing course in which students produce a simulated newspaper under deadline; redeveloping the news media ethics course from lecture format to that of panel discussion; and helping to develop the School's Language Usage Test, also used by newspapers and other journalism schools. A student of Prof. Goodwin's writes: "In four years at Penn State, no other professor has influenced my life in more ways... he is the best there is."

Dr. Mitchell, who joined Penn State's Department of Biology in 1969, last year won the C.I. Noll College of Science Outstanding Teaching Award. He has developed two undergraduate courses, the

Biology of Man and the Biology of Aging, the latter being cited for its innovativeness by the American Gerontology Institute. He also is faculty adviser to the PSU Biological Society, an undergraduate organization.

The College of Science AMOCO Award Nomination Committee said that, "When the results of class evaluations were completed by students in all his courses, he consistently received the highest possible rating by an average of 80 percent of the respondents." A student of Dr. Mitchell's writes: "In the classroom he is enthusiastic and vibrant. His interest and love of the material he teaches can easily be seen by the amount of preparation and creativity found in each lecture."

Dr. Mills, who joined the Ogotz faculty in 1959 and received the Campus's Outstanding Teaching Award in 1976, teaches courses in Science, Technology and Society, theatre, film, the arts, English and an integrated English/history course he helped to develop with Dr. Claire Hirshfield. As coordinator of the English faculty at Ogotz, he was instrumental in establishing the Campus's Reading and Writing Center and helping to design the

(Continued on page 4)

Dr. John J. Coyle, professor of business administration, director of the undergraduate program in the College of Business Administration and head of the Department of Business Logistics, is the recipient of the first Raymond R. DiMeo Award for Instructional Improvement.

Formal presentation of the award will be made by Dr. Robert E. Dunham, vice president for undergraduate studies, Sunday, May 11, at the University's Honors Convocation in Eisenhower Auditorium.

The DiMeo Award, which consists of a certificate and \$500, is intended to recognize and encourage significant contributions by a faculty member for the improvement of undergraduate instruction over and above classroom teaching performance. Penn State faculty members at all campuses are eligible.

Dr. Coyle will be recognized for his multi-faceted service and for his key role in developing new and innovative undergraduate courses.

He was the developer of Business Logistics 102, a course which uses a multi-media approach. Offered at nine locations

(Continued on page 4)

Faculty invited to Honors Convocation

All faculty members are invited to participate in the academic procession of the 1980 Honors Convocation, to be held at 2 p.m. Sunday, May 11, in Eisenhower Auditorium.

More than 300 undergraduates and five faculty members will be recognized for academic excellence during the program.

Dr. J. William Holl, professor of aerospace engineering and 1973 winner of the Christian R. and Mary F. Lindback Award for Superior Teaching, will address honored students, their families and Penn State faculty members and guests on "The Sessaw of Life."

Faculty members in academic regalia — which they should supply themselves — should plan to meet platform party members in the Green Room of Eisenhower Auditorium no later than 1:45 p.m. Seating in the front rows of the auditorium will be reserved for those in the procession. Faculty and staff not wishing to be members of the procession are invited to attend the program as members of the audience.

Vision care coverage begins July 1

Beginning July 1, 1980, vision care coverage will be provided at no cost to all regular full-time faculty and staff members of the University.

Enrollment cards will be mailed to all eligible persons. They should be completed and returned to the Employee Benefits Division (Room 133 Willard Building) no later than June 6, 1980.

If dependent coverage is elected, the contribution (through payroll deduction) will be \$1.08 for those paid monthly and 50 cents for those paid biweekly.

The plan will provide a benefit of 100 percent of the first \$10 of eligible charges incurred by a covered individual and an additional benefit of 80 percent of charges in excess of \$10, up to a maximum total benefit of \$45, in the first benefit period. The first benefit period of the program will begin from July 1, 1980, through Dec. 31, 1981 (18 months). Thereafter, it is anticipated that the benefit period will be on a calendar year basis (Jan. 1-Dec. 31).

Descriptive information, a claim form and an envelope in which a vision claim may be filed directly with the Equitable

Life Assurance Society will also be mailed to each regular full-time faculty and staff member. Booklets providing a detailed explanation of the program will be distributed as soon as they are printed.

The most common eligible charges which will be covered up to the limits described will be: 1) one vision examination (including refraction) by a qualified provider of service during a benefit period; 2) one set of lenses during a benefit period; 3) one set of frames during any two consecutive benefit periods.

With the addition of the Vision Care Plan to the University's benefits program, it should be remembered that: 1) hospital/surgical/major medical claims are submitted to the Employee Benefits Division; 2) dental claims are submitted directly to the Prudential; and 3) vision care claims are submitted directly to the Equitable Life Assurance Society.

Persons with questions about this new benefit program should contact their personnel representatives, business managers or the Employee Benefits Division (865-1473, Network 475-1473).

Bus service will link boroughs

Centre Line weekday bus service between Bellefonte and State College will begin Monday, May 12, the Centre Area Transportation Authority has announced.

"The new service is being provided to help ease the energy situation, and we hope it will be used by the hundreds of University faculty and staff members who commute from the Bellefonte-Milheim area," said Dr. Peter B. Everett, associate professor of man-environment relations and chairman of the CATA Operating Committee.

"University employees who live in outlying areas and drive through Bellefonte might also wish to use the service, because four free parking areas will be available in downtown Bellefonte for them to park their cars and board the bus," he added.

An extension of Centre Line's State College-Nittany Mall "X Route," the new line will travel Route 26 from the Mall to Bellefonte. The fare for the 12-mile ride will be \$1 per person one way.

(Continued on page 4)

Penn Staters

Dr. Wilbur Zelinsky, professor of geography, has received a Guggenheim Fellowship for 1981-82 to support a study of the modern nation-state and the manipulation of cultural symbols. Dr. Zelinsky's fellowship is one of 276 awarded to scholars, scientists and artists chosen from 3,066 applicants in the Guggenheim Memorial Foundation's 56th annual competition. The grants are made on the basis of demonstrated accomplishment in the past and strong promise for the future.

A total of 96 American colleges and universities are represented by the recipients, whose awards total \$4,605,500.00 for 1981-82. Dr. Zelinsky was among eight faculty members at six different Pennsylvania educational institutions who received grants, and his was the only one received by a Penn State faculty member.

A member of the Penn State geography faculty since 1963, Dr. Zelinsky served as department head from 1970-76; he also served as director of the University's Population Issues Research Office from 1972-74. He has held a number of positions in the Association of American Geographers, including the presidency in 1972-73.

Dr. Arthur W. Rose, professor of geochemistry, recently assumed the presidency of the Association of Exploration Geochemists at its biennial international symposium in Hanover, West Germany. Dr. Rose also presented a paper at the symposium, "Regional and Local Uranium Anomalies in the Devonian Catskill Formation near Sandstone-type Uranium Prospects in Pennsylvania."

Dr. Toby N. Carlson, associate professor of meteorology, was one of eight U.S. scientists invited to attend a joint American/European meeting of the Heat Capacity Mapping Mission (HCMM) Experimental Team in Ispra, Italy. Sponsored by NASA, the conclave was held to discuss results of indirect soil moisture measurements taken by the HCMM satellite.

Dr. John C. Griffiths, professor emeritus of petrography, recently gave an invited seminar on "Problem Solving in Geosciences" to students and faculty in Kent State University's Department of Geology.

Dr. Hans A. Panofsky, Evan Pugh Professor of Atmospheric Sciences, recently gave a seminar on "Threats to the Ozone Layer" at Colorado State University.

Leslie P. Greenhill, professor emeritus of education and director emeritus of the UDIS, has completed a four-city lecture series on the use of scientific film. The tour was sponsored by the Goethe Institute, a Munich-based organization concerned with the dissemination of information about German culture, especially education and science. Audiences in New York, Boston, Miami and Ottawa heard Mr. Greenhill's address on "Film as a Means of Safeguarding Source Material in Ethnology." He also spoke in Miami and Ottawa on "Film as an Instrument for Research in the Technical Sciences."

Dr. John R. Daugherty, assistant professor of environmental resource management, has been elected to the board of directors of the National Association of Environmental Professionals. The Association is an interdisciplinary professional society of persons engaged in all aspects of the environmental process, including education, assessment, administration and implementation.

Bookshelf

Money and the Financial System: Theory, Institutions and Policy by Raymond E.

Lombra, James B. Herendeen and Raymond C. Torto, has been published by McGraw-Hill, Inc. Dr. Lombra is an associate professor and Dr. Herendeen a professor of economics at the University. Dr. Torto teaches at the University of Massachusetts at Boston.

Their book, which is intended as an undergraduate text for courses in money and banking and financial markets, presents an integrated view of the functioning of the economy. The role of money and the financial system in determining the aggregate level of output, employment, prices, and interest rates is emphasized. The book explains the major determinants of spending, saving, investing, and financing decisions for the household, business, government, and foreign sectors of the economy. These sector decisions are combined to determine aggregate economic behavior.

Special emphasis is also given to the behavior of the Federal Reserve System and its role in influencing the money supply, interest rates, and the rate of inflation. In addition, the authors discuss the role of fiscal policy, the interrelation between fiscal and monetary policy, and policies aimed at moderating inflation through increasing the aggregate supply of output.

To acquaint educators, practitioners and students with the long and rich history of rural social work, Dr. Emilia E. Martinez-Brawley, assistant professor of social welfare, has collected a group of writings for a new book, *Pioneer Efforts in Rural Social Welfare: Firsthand Views since 1908*. The book was published by Penn State's Press.

In a foreword, Leon H. Ginsberg, commissioner of the West Virginia Department of Welfare, notes that "the book provides the best collection of information ever gathered together in one place on approaches through the years to the problems of American small towns and rural areas. . . . Learning how we came to be what we are is both interesting and enjoyable. It also helps us do our jobs more adequately."

The book is organized into three sections: Rural Welfare, 1908-1916; World War I, the Postwar Years, and the Regionalization of Rural Services, 1917-1927; and The Depression and the New Deal.

Dr. Martinez-Brawley, noting that the birth of rural social work can be traced to the Country Life Commission of 1908 appointed by President Theodore Roosevelt and the National Conference of Charities and Corrections of the same year, begins the collection with the President's message transmitting his Commission's report to Congress. Readers will become acquainted with the pioneering work done by church groups, the YMCA, the Red Cross and the Family Welfare Association. The great influence of both defunct and surviving magazines is stressed. Other articles are devoted to the vision of pioneer workers in the field, including such well known figures as Gifford Pinchot, L.H. Bailey and Henry Wallace.

Promotions

Staff Exempt

Michelle Jais to administrative aide at Hazleton.

Staff Non-Exempt

Sherry K. Koch to OPD credit and collection aide at Hershey.

Clerical

Sharon R. Hassinger to secretary B in Health, Physical Education and Recreation.

Technical Service

Robert G. Brodzina to maintenance worker general C in Physical Plant.

Harry J. Crater to maintenance worker utility in Physical Plant.

Richard O. Lowery to machinist A in Applied Research Laboratory.

Daniel F. Smith to maintenance worker utility in Physical Plant.

John M. Wojcik to bookstore helper at Delaware County.

Retirements



Mary Leona Price, a stockroom clerk/laboratory attendant in the College of Agriculture, retired April 1 with 20 years of service to the University.

She began her employment on July 22, 1959, as a maid for Housing and Food Services, working in North Halls for 10 years before transferring to the Department of Plant Pathology in 1969.

Mrs. Price and her husband, Carl, have three married daughters; one, Carol Cunningham, is a janitress for Maintenance & Operations. The Prices reside in Port Matilda.

Ilda F. Stapen, a secretary at the New Kensington Campus since Oct. 1, 1968, retired April 1.

Obituaries

MacLean M. Babcock, 92, professor emeritus of industrial engineering at the University, died on April 8. He joined the Penn State faculty in 1916, and was promoted to full professor in 1946.

Born June 10, 1887, in Saugatuck, Mich., Prof. Babcock earned his B.S. at Michigan State University in 1910 and his M.S. at Penn State in 1922.

Martha B. Bardo, a Continuing Education secretary from 1944-67, died on April 24. She was born on April 26, 1904.

Mary C. Leigey, a counterwoman with Housing & Food Services from 1958-70, died on April 24. She was born Nov. 29, 1904, in Snow Shoe.

Robert H. Younker, 49, a lead painter with the Office of Physical Plant, died on April 27. Mr. Younker, born July 31, 1930, in Huntingdon, Pa., had been a University employee since 1953.

Elsewhere in Academe

Stepped up recruiting among the various constituencies for higher education could produce over a million more students than might be expected from current projections based on demographic data and present enrollment patterns, according to an American Council on Education study, "College Enrollment: Testing the Conventional Wisdom Against the Facts."

Among groups which the A.C.E. report targets are minority and lower income groups, women aged 18 to 34, and men aged 35 to 64. The study also examines potential markets among foreign students and the possibility of providing more courses for industrial employees. By attracting only slightly larger percentages of these constituencies to higher education, a projected loss through the 1980s of 797,000 students might be turned into a gain of more than 300,000, the study concludes.

Colleges and universities in many states are finding the competition for appropriations

unusually keen this year, according to a recent story in the Chronicle of Higher Education. Financial problems for higher education are compounded by declining balances in state treasuries, a recession which decreases state revenues while increasing welfare program spending demands, erosion of the purchasing power of state appropriations by inflation, and the threat of the federal government to cut off revenue sharing with the states. Since over half the money that states receive from revenue sharing is earmarked for education and social services, cutbacks in this area would drastically affect public education programs, according to Gov. Harry Hughes of Maryland, testifying for the National Governors Association before the House Intergovernmental Relations and Human Resources Subcommittee.

Information due on professional activities

Member of the faculty and staff who wish their publications and professional activities listed in the University's annual bibliographies should send this information to their department heads, research deans, or intercollege research unit directors.

Detailed instructions for the submission of these listings have been supplied by Dr. R.G. Cunningham, vice president for research and graduate studies, in a memo available from department heads and research deans.

Commonwealth Campus faculty should send their listings to their department heads at University Park, with an informational copy to their Campus director and Commonwealth Campus dean.

Submissions should be in the department head's hands in sufficient time to reach the Office of the Vice President for Research and Graduate Studies by July 31.

The bibliography is printed in two publications, "Research Publications and Professional Activities" and "University Publications and Reports to Agencies."

Materials suitable for submission include research papers and articles, books reviewed and printed by established publishers, substantive and/or final reports sent to state and federal agencies, informational material (articles and reports printed in non-standard journals), novels, short stories, musical compositions, exhibits of fine arts, inventions, patents, and any other activity that meets recognized standards of excellence in its field.

Funding Sources

For further information, call 865-1372

(34-1) The Fulbright University Teaching and Advanced Research Abroad Program will make more than 500 awards in 1981-82. More than 100 countries have requested American scholars in fields ranging from accounting to zoology. About 75% of the awards are for university teaching, but there is usually also time for research. Announcement booklets are available from the Council for International Exchange of Scholars (CIES) (202-834-4960). Some copies are available from Research Information Service (RIS), 8 Old Main (865-1372). The Faculty Fulbright Advisor is Richard L. Grube, 208 Engineering C (865-3741). The application deadlines are June 1, 1980, and July 1, 1980. (Ref. CIES Announcement).

INTERCOM is an internal communications medium published weekly during the four terms of the class schedule for the faculty and staff of The Pennsylvania State University.

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University Park Calendar

May 8-18

Special Events

Thursday, May 8

End of Another Year Special Dinner, 4:45-6:45 p.m., HUB Terrace Room.
O'Clock Theatre, Harry Nolan, 5:15 p.m., Pavilion Theatre.
Cinematheque, William Friedkin, *The Night They Raided Minsky's*, 6:30 and 8:30 p.m., HUB Assembly Hall.
folklore Society, Square Dance, 7:30 p.m., Room 301 HUB.
Penn State Dames meeting, 7:30 p.m., Room 101 Kern.
Center for Value Studies and Professional Ethics lecture, Dr. K. Danner Clouser, Hershey Medical Center, on "Problems of Applying Ethical Theory to Practice," 8 p.m., Room 202 Board.

Penn State Theatians, Rogers and

Hamenstein, *Carousel*, 8 p.m., Schwab.

*URTC, *The Taming of the Shrew*, 8 p.m., The

Playhouse.

Friday, May 9

Sports: golf (women), Lady Lion Spring

Invitational.

Center for Value Studies and Professional Ethics, workshop on news media ethics, 1:30 p.m., and workshop on moral education, 3:30 p.m., both in Informal Lounge, Eisenhower Chapel.

Geography Dept. Coffee Hour, 3:45 p.m.,

Room 319 Walker. Ronald Abler,

geography, on "Whether Disaster:

Communications Technology and Society."

End of Another Year Special Dinner, 4:45-6:45

p.m., HUB Terrace Room.

O'Clock Theatre, Harry Nolan, 5:15 p.m.,

Pavilion Theatre.

Commonplace Theatre, *Monterey Pop*, 7 and 9

p.m., Room 112 Kern.

Shaver's Creek Nature Center, *Nighttime*

World of Ponds in Spring, 7:30-9:30 p.m.,

Stone Valley.

Penn State Theatians, *Carousel*, 8 p.m.,

Schwab.

*URTC, *The Taming of the Shrew*, 8 p.m., The

Playhouse.

Penn State Brass Choral, 8:30 p.m.,

Eisenhower.

Saturday, May 10

Nittany Valley Mineral Club, gem and mineral

show, 10 a.m.-9 p.m., Wagner Bldg. Drill

Room.

Sports: golf (men), Alumni Tournament, 10

a.m.

Horticulture Dept., Mother's Day Sale, noon-4

p.m., greenhouse behind Tyson Bldg.

Penn State Theatians, *Carousel*, 2 p.m. and 8

p.m., Schwab.

Phi Kappa, annual banquet and initiation,

5:30 p.m., Nittany Lion Inn. Speaker, Dale

& Harris, emeritus prof. psychology and

human development, on "Humanizing the

Social Sciences." Reservations, 865-7533.

France-Cinema, *Children of Paradise*, 7 and 9

p.m., Room 112 Kern.

Loretta Greiman, flute, 8 p.m., Music Bldg.

Recital Hall.

*URTC, *The Taming of the Shrew*, 8 p.m., The

Playhouse.

Sunday, May 11

Shaver's Creek Nature Center, *Morning Bird*

Walk, 7:30-9:30 a.m.; Spring "Things"

Walk, 2-3 p.m., Stone Valley.

University Chapel Service, 11 a.m., Eisenhower

Chapel. The Rev. John Dromazos, pastor,

Pleasant Gap Methodist Church, speaker.

Nittany Valley Mineral Club, gem and mineral

show, noon-6 p.m., Wagner Bldg. Drill

Room.

University Children's Theatre Ensemble,

What's Blue to You?, 1:30 p.m., Pavilion

Theatre.

Honors Convocation, 2 p.m., Eisenhower

Auditorium.

Mother's Day Concert, Penn State

Internationale Dancers, 3 p.m., White Bldg.

Dance Theatre.

Penn State Glee Club Concert, 3 p.m., Schwab.

Commonplace Theatre, *Monterey Pop*, 7 and 9

p.m., Room 112 Kern.

Monday, May 12

Sports: tennis (women), Eastern AIAW

Regional Championships, through May 16;

baseball vs. Indiana, Pa. (d1), 1:30 p.m.

STS/3 Cultures Dialogue, luncheon, noon;

presentation, 12:20 p.m., Room 101 Kern.

Larry D. Spence, political science, on

"Sociology and Economics of U.S. Scientific

Research."

Music in Interesting Times lecture, 3 p.m.,

Music Bldg. Recital Hall. James May,

chaplain, PSU Catholic Center, on "The

Relationship of Music and Religion."

France-Cinema, *Children of Paradise*, 7 and 9

p.m., Room 112 Kern.

Carl Goshy, trumpet, 8:30 p.m., Music Bldg.

Recital Hall.

Tuesday, May 13

Comp. Lit. Luncheon, 12:15. talk, 1 p.m., Hotel

State College. Albert Wendt, novelist and

dir. Univ. of South Pacific/Apia, on

"Conflicts of Modernization in Pacific

Literature."

Sports: baseball vs. Gettysburg, 3 p.m.

School of Music Common Hour, 4 p.m., Music

Bldg. Recital Hall.

Philosophy Dept. Dotterer Lecture, 8 p.m.,

Room 305 HUB. Richard Rorty, Princeton

Univ., on "19th Century Idealism and 20th

Century Textualism."

*URTC, *The Taming of the Shrew*, 8 p.m., The

Playhouse.

Computer Science Club/Computation Center,

Ingrid Caribon presents "Computer

Graphics Film Festival," 8 p.m., Room 102

Forum.

Wednesday, May 14

Faculty Women's Club, day trip to Belleville.

Shaver's Creek Nature Program, Evening Bird

Walk, 5:15-7 p.m., Whitehall Rd. and

Fairbrook Rd., Fairbrook Swamp.

Nittany Lion Concert Band, 7 p.m., Fisher Plaza.

(Rain dates: May 14 and 15.)

College of Human Development lecture, 8 p.m.,

HUB Assembly Hall. Anne K. Somers,

College of Medicine and Dentistry, Rutgers

Medical School, on "The Geriatric

Imperative."

Friends of the Museum lecture, 8 p.m., Museum

of Art. Harold Dickson, emeritus prof. art

history, on "George Grey Barnard, the

Collector."

*URTC, *The Taming of the Shrew*, 8 p.m., The

Playhouse.

Jeff Smith, piano, 8:30 p.m., Music Bldg.

Recital Hall.

Thursday, May 15

Campus Colleagues meeting, 4:30-6:30 p.m.,

Assembly Room, Nittany Lion Inn. Dr.

Emily Taylor, dir. of Office of Women in

Higher Education, American Council on

Education, speaker.

Folklore Society, Square Dance, 7:30 p.m.,

Room 301 HUB.

*URTC, *The Taming of the Shrew*, 8 p.m., The

Playhouse.

Friday, May 16

Last day to sign Spring Term Emergency Loans,

Room 108 Shields.

Early registration begins for 10 week Summer

Term 1980.

Sports: track (men), Penn State Open, 3 p.m.

Geography Dept. Coffee Hour, 3:45 p.m.,

Room 319 Walker. Mark Morey, geography,

on "Appalachian Spring: A Visual

Evocation."

Shaver's Creek Nature Program, Evening Bird

Walk with David and Barbara Middleton,

5:15-7 p.m., Tofrees Game Lands. Park by

Coffee Grinder Restaurant.

*URTC, *The Taming of the Shrew*, 8 p.m., The

Playhouse.

Saturday, May 17

Sports: tennis (men) vs. Mercyhurst, 1 p.m.

*URTC, *The Taming of the Shrew*, 8 p.m., The

Playhouse.

Spring Term classes end, 9:55 p.m.

Sunday, May 18

Shaver's Creek Nature Center, Paul Rutschky,

entomology, *Angler's Exploration of*

Shaver's Creek, Info. 865-1851.

Penn State Percussion Ensemble, 8:30 p.m.,

Music Bldg. Recital Hall.

Seminars

Thursday, May 8

Mathematics, Michele Vergne, MIT, on

"Representation of Lie Groups and the Orbit

Method," 4 p.m., Room 103 McAllister

(new listing).

Friday, May 9

Analytical Chemistry, Kenneth W. Curry, grad.

student, on "GC/MS Studies of Organic

Structures from Oxidative Degradation of

Coal," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Gary Pruett, Univ. of Pa.,

on "State Resolved Reaction Dynamics in

Molecular Beams," 4 p.m., Room 333

Whitmore.

Monday, May 12

Comparative Economics Systems, Norman W.

Taylor, Franklin and Marshall College, on

"Comparative Economic Performance of

Japan and China: A Cultural Perspective," 3

p.m., Room 101 Kern.

Tuesday, May 13

Plant Pathology, Herman A. Nass, grad.

student, on "How Do Fungi Move from the

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Seed to the Seedling?" 9:45 a.m., Room 213

Buckhout.

Metalurgy, Mehrooz Zamanzadeh, grad.

student, on "Effect of Ion Implantation on

Hydrogen Absorption," 11 a.m., Room 301

Steidle.

Organic/Inorganic Chemistry, William T.

Newman, grad. student, on "Platinum and

Nickel Metallocycles," 12:45 p.m., Room

333 Whitmore.

Thursday, May 15

Ceramic Science, B.J. Wuensch, MIT, on

"Diffusion in Oxides," 11 a.m., Room 301

Steidle.

Friday, May 16

Analytical Chemistry, Paul Sheppson, grad.

student, on "The Photooxidation of

Propionaldehyde," 11:10 a.m., Room 333

Whitmore.

Physical Chemistry, Bill Sanders, grad. student,

on "Collisional Alignment of Molecular

Rotations," 4 p.m., Room 333 Whitmore.

Exhibits

Chambers Gallery: Undergraduate Art

Education Exhibit, mixed media, through

May 16.

HUB Galleries: "Paintings of Two

Pennsylvania Artists, Henry O. Tanner and

Horace Pippin, through May 10; Jeanne

Stevens Sullivan, ceramic sculpture, opens

May 11, The Gallery, "Landscape Architects

Professional Awards Traveling Exhibit,

through May 17, Browning Gallery. Ryan

Nettles, sculpture, through May 17, Gallery

Lounge. Mike Starnet, pottery, and Rome

Hanks and Friends, group photo exhibit,

through May 17, Art Alley.

Kern Gallery: Robert Bissett, photographs,

through May 17; Matt Reitz, glass,

through May 17.

Museum of Art: Chinese export porcelains

from the collection of Dr. and Mrs. Harold

L. Tonkin, through May 11; recent work on

paper by Diane Pope, highlights from the

permanent collection; European posters

(1895-1930) from the permanent collection,

opens May 11.

Pattee Library: Nora Speyer, drawings,

through May 9; Patricia O'Connor,

paintings, opens May 9, East Corridor

Gallery. Steven Derwin, photographs,

through May 9; Dennis Aumiller,

photographs, opens May 9, Lending

Services Lobby. Stone Age in the 20th

Century, Kapauku Papuans of New Guinea,

through May 9; Ceramics, Main Lobby.

Yachad, Living in Jerusalem, through May

18, West Patio Ground Floor.

Robeson Cultural Center: "Four

Perspectives — Four Artists, Robert Wilder,

Anthony Brown, James Barefoot and

Lawrence Jordan, mixed media, through

May 10.

Visual Arts Bldg. Zoller Gallery: Graduate

Thesis Exhibit, through May 16.

* Asterisk indicates 125th Anniversary

event.

Arts Roundup

News in Brief



Dr. Somers

Health care expert to discuss geriatrics

Anne R. Somers, professor of community medicine and family medicine in the College of Medicine and Dentistry of New Jersey-Rutgers Medical School, will speak on "The Geriatric Imperative" at 8 p.m. Wednesday, May 14, in the HUB Auditorium.

Her presentation, open to the public, is part of the Spring Colloquium Series of the Community Systems Planning and Development grant program of the College of Human Development.

She is co-author of the book, *Health and Health Care: Policies in Perspective*, which received the 1977 Norman A. Welch M.D. Memorial Award for "meritorious contribution to the literature of medical economics" from the National Association of Blue Shield Plans.

She is author or co-author of a half dozen other books, including *Health Care in Transition: Directions for the Future*; *Hospital Regulation: The Dilemma of Public Policy*; *Medicare and the Hospitals: Issues and Prospects*; *Doctors, Patients and Health Insurance: The Organization and Financing of Medical Care*; and *Workmen's Compensation: The Prevention, Insurance, and Rehabilitation of Occupational Disability*.

The author of more than 100 articles and monographs, Prof. Somers serves on the editorial boards of *Diabetes Care*, *Inquiry*, *Forum on Medicine*, *Health Education and Patient Counseling*, and *Family and Community Health: The Journal of Health Promotion & Maintenance*.

A member of the National Academy of Sciences-Institute of Medicine and its Advisory Committee on Health Promotion and Disease Prevention, she received the Distinguished Career Award from the American Public Health Association's Public Health Education Section in 1978.

She is an honorary Fellow of the American College of Hospital Administrators and the College of Physicians of Philadelphia. In 1975, she received an honorary doctor of science degree from the Medical College of Wisconsin.

South Pacific educator, writer in residence

Albert Wendt, educator, novelist, short story writer and poet, will be a guest at the University from May 10 through May 15.

He will address the Comparative Literature luncheon group at noon on Tuesday, May 13, at the Hotel State College. His topic will be "Conflicts of Modernization in Pacific Literature."

Born in Western Samoa and educated in Samoa and New Zealand, Prof. Wendt is lecturer in Commonwealth and South Pacific literature and creative writing at the University of the South Pacific and director of the University of the South Pacific Center in Apia. He was formerly principal of Samoa College.

Among his published works are two novels, *Sons for the Return Home* and *Pouliuli*; a collection of short stories, *Flying-Fox in a Freedom Tree*; and a collection of poetry, *Inside Us the Dead*.

Another novel is in progress. His visit is sponsored by the Department of Anthropology, the Institute for the Arts and Humanistic Studies and the Center for the Study of Higher Education.

Weekend gem, mineral show to be held in Wagner

The Nittany Valley Mineral Club, sponsored by the Department of Geosciences, will hold a gem and mineral show from 10 a.m. to 9 p.m. Saturday, May 10, and from noon to 6 p.m. Sunday, May 11, in the Wagner Building Drill Room.

The show will feature various demonstrations, dealers, displays, faceting, fossils, gem stones, jewelry making and supplies, lapidary materials, and mineral specimens.

Computer Graphics Film Festival is May 13

A Computer Graphics Film Festival, sponsored jointly by the Computer Science Club and the Computation Center, will be presented by Dr. Ingrid Carlsson at 8 p.m. Tuesday, May 13, in Room 102 Forum Building.

Movies and video tapes covering such diverse graphics application areas as engineering, mathematics, medicine, chemistry, aerospace, TV commercials, computer art, and commercial movies will be shown. Some highlights include "Voyager 2 Encounters Jupiter"; "The Human Brain," winner of 12 awards, including first prize at the International Science Film Festival in Philadelphia, 1976; "Hunger," an Academy Award nominee and winner of a Special Jury Prize at the Cannes Film Festival; and short clips from *Star Wars* and *The Black Hole*.

Ethics subject of talk by Hershey professor

Dr. K. Danner Clouser, professor of medical humanities at the Hershey Medical Center, will speak on "Problems of Applying Ethical Theory to Practice" this evening (May 8) at 8 p.m. in Room 202 Borland Laboratory. The program, open to all, is presented by the Center for Value Studies and Professional Ethics.

Phi Beta Kappa annual banquet May 10

Penn State's Lambda Chapter of Phi Beta Kappa will hold its annual banquet and initiation of new members on Saturday, May 10, at the Nittany Lion Inn. The event will begin with a reception at 5:30 p.m. in the Fireside Room, followed by the banquet and initiation at 6 p.m. in the Assembly Room.

The evening's speaker will be Dr. Dale B. Harris, professor emeritus of psychology and human development, on "Humanizing the Social Sciences." Members may make reservations by calling Dr. Roland H. Good, chapter secretary, at 865-7533.

Spring enrollment up

Spring Term enrollment at the University totals 48,742 resident instruction students, an increase of 1,541 over last year.

A total of 29,622 students, 262 more than last Spring Term, are enrolled at the University Park campus. Enrollment at the Commonwealth Campuses is 14,584 — up 1,073. The Behrend College, the Milton S. Hershey Medical Center and the Radnor Graduate Center also showed increases.

"I am very pleased with the continued growth of enrollment across the University system," said Dr. Robert E. Dunham, vice president for undergraduate studies. "The increase for Spring Term is even greater than the increase for the Winter Term, indicating an improvement in the retention of students."

Spring Term enrollment is 2,064 students at the Capital Campus; 1,591 at the Behrend College; 524 at the Milton S. Hershey Medical Center and 357 at the Radnor Graduate Center.

Princeton philosopher is Dotterer lecturer

Dr. Richard Rorty, professor of philosophy at Princeton University, will present the Philosophy Department's 11th Annual Dotterer Lecture at 8 p.m. Tuesday, May 13, in Room 305 HUB. His topic will be "Nineteenth Century Idealism and Twentieth Century Textualism."

Dr. Rorty, president of the Eastern Division of the American Philosophic Association, is the author of *Philosophy and the Mirror of Nature* and the editor of *The Linguistic Turn: Recent Essays in Philosophical Method*. He has worked in the areas of philosophy of mind, philosophy of language, American pragmatism, and the history of philosophy.

He has taught at Yale and Wellesley College and has been a visiting professor at Catholic University of America, the University of California at Santa Barbara, the University of Pittsburgh, and J.W. Goethe Universität. In addition, Dr. Rorty was a Fellow of the American Council of Learned Societies (1969-70) and a Guggenheim Fellow (1973-74).

The Dotterer Lecture Series was created in honor of the late Professor Ray Dotterer, head of the Department of Philosophy from 1938-47.



Hort holding Mother's Day sale

The Department of Horticulture is sponsoring a Mother's Day Flower Sale from noon to 4 p.m. on Saturday, May 10, behind Tyson Building.

Available are bedding plants, flowering baskets, geraniums, fuchsia baskets, impatiens, outdoor perennials and many other flowering plants.

Summer Term calendar data due

The deadline for submitting items to be included in the University Park Summer Term Calendar is Friday, May 16. Items should be addressed to Calendar Editor, Room 312 Old Main (865-2501).

Campus Colleagues to hear Dr. Emily Taylor

Dr. Emily Taylor, director of the Office of Women in Higher Education, American Council on Education, will lead an informal discussion during the Campus Colleagues meeting on Thursday, May 15, from 4:30-6:30 p.m. in the Assembly Room of the Nittany Lion Inn.

AMOCO

(Continued from page 1)

Ogontz Educational Opportunity Program.

An adult student enrolled in his experimental Arts 198A course recalls: "Dr. Mills has unparalleled energy and enthusiasm... I have never in my life had a course with anyone like Dr. Mills — and that includes four years at Cornell, two and a half at Temple and 27 credits at Penn State, plus others."

Dr. Aurand, who joined the Hazleton faculty in 1964 and subsequently received its Outstanding Teaching Award, has teaching and research interests in the social and labor history of the anthracite coal

regions. He is author of the book "From the Molly Maguires to the United Mine Workers (1971). He teaches a variety of history courses, including one of his own development, American Immigration. In his courses in American Labor History and Mining Lore and Literature, he arranges to have older persons and retired coal miners come to class for discussions and interviews.

Typical of the comments from his students is: "I learned why things happened, not when they happened... This is the first time I enjoyed history."

DiMeo award

(Continued from page 1)

in the Penn State system, it annually reaches over 2,000 students through either live instruction or pre-recorded tapes.

During the last two years, he helped develop a communications honor course, jointly offered by the College of Business Administration and the Department of Speech Communication. He also helped establish a career development course for business administration students.

According to the nominating petition, Dr. Coyle "has grown in excellence along with the College of Business Administration and the University. Although he serves the College in many capacities... Dr. Coyle's primary interest lies with the student and with the improvement of undergraduate instruction."

After receiving bachelor's and master's degrees in business administration from Penn State, in 1957 and 1959, respectively, Dr. Coyle earned a doctorate at Indiana University. While at Indiana (1959-62), he held a U.S. Steel fellowship.

In 1961, he joined the Penn State faculty as an assistant professor of business administration. He became a full professor in 1967 and a department head in 1973.

Students in the College of Business Administration have recognized Dr. Coyle's contributions four times, voting him the outstanding teacher and the outstanding adviser awards twice each.

Bus link

(Continued from page 1)

"The fare is much cheaper than driving," Dr. Everett points out. "Studies by private insurance firms peg the current cost of driving a car at anywhere between 29 to 40 cents per mile; the bus line rate is about eight cents per mile."

Even cheaper rates will prevail if riders buy an annual pass for \$190, a three-month pass for \$50, or a "Big 22" ticket yielding 22 rides for \$20.

To acquaint potential riders with the new line, CATAs is distributing packets containing route maps, schedules and coupons for five free rides. University employees may obtain the packets by contacting their parking coordinators.

Though the schedule had not been completely worked out by INTERCOM's deadline, Dr. Everett said buses will leave Bellefonte and State College every half hour between 6 a.m. and 8 a.m., every hour between 8 a.m. and 4:30 p.m., and every half hour between 4:30 and 6:30 p.m. Mondays through Fridays. The line will not operate on weekends.

The "park and ride" lots in Bellefonte will be located at: the Willowbank Building; the church parking lot next to Centre Crest; the Department of Public Welfare; and the National Guard Armory. A fifth lot will be available at the Nittany Mall.

More details will be published and aired through local media, Dr. Everett added.

Penn State Intercom

Barash, Donkin and Wilkinson award winners named



What distinguishes a good administrator?

"My philosophy is to delegate responsibility. An administrator has only a limited capacity to keep on top of a large number of details," says Graduate School Dean James B. Bartoo.

The recipient of this year's John E. Wilkinson Award for Administrative Excellence, Dean Bartoo has served Penn State as head of the Department of Mathematics and Statistics, dean of the Graduate School, acting vice president for research, interim provost, and executive officer of the College of Human Development.

He lays no claims to being a "perfect" administrator. "I don't always meet deadlines," he notes, "and sometimes I forget things. I often operate with a lot of clutter, and I've even been known to move slightly beyond University policy. But if I have been able to be helpful in some of my administrative assignments, it's because of the good people around me. The people I work with in the Graduate School keep the operation going."

Dean Bartoo joined the faculty in 1952, a graduate of Edinboro State College with M.S. and Ph.D. degrees in mathematics from the University of Iowa. He began his administrative career in 1960.

"Whether I work for the College, the Boy Scouts, or whatever, I believe that I'm in this world to serve my fellow man."

The words are those of Dr. Robert Flipse, who has been

President Oswald will present the three all-University awards to their recipients at a special program this weekend.

chosen to receive the 1980 Barash Award for Human Service.

Dr. Flipse's philosophy was impressed upon him through the actions of his uncle, with whom he lived while growing up on a Kansas farm.

"I was the oldest of five children," he recalls, "and I lost both my parents when I was eight years old. My uncle, who was a bachelor, took us all in and reared us. Those were the Depression years, and he was hard pressed to earn his living from farming. But he gave me the opportunity to develop and even helped some while I was working my way through college. It's because of him that I feel an obligation to help others."

(All of the above stories continue on page 4)

When Dr. Robert S. Friedman came to Penn State in 1968 as head of the Department of Political Science, he lost little time involving himself in service to the University.

His University activities were a logical outgrowth of his scholarly interests. "My field is the politics of bureaucracy, so I have a natural curiosity about organizations," he notes. "As a result, it's a pleasant task to participate in University service while also engaging in a learning experience of professional value to me."

Currently, his committee work includes membership on the President's Faculty Advisory Committee and the Provost's Committee on Planning and Budget, activities which account, in part, for his being named recipient of the 1980 McKay Donkin Award.

The award is given annually to the full-time faculty or staff member or retiree who has contributed most to the "economic, physical, mental or social welfare of the faculty."

"When I came to Penn State," Dr. Friedman recalls, "the political science department was experiencing some internal turmoil. My first task was to try to bring a modicum of peace to a group of scholar-teachers in a high quality environment. I saw my role as being a catalyst to

Senate approves report of the Basic Skills Committee

Meeting for the first time outside University Park, the Faculty Senate devoted most of its May 6 session at the Altoona Campus to a debate on the report of its Special Committee on Basic Skills and to the wording of a recommendation proposed by Curricular Affairs on 800-level courses.

In his introductory comments, President Oswald noted the growing part which the Commonwealth Campuses continue to play in the undergraduate educational mission of the University. He pointed out that when he became president in 1970, 18 percent of the University's baccalaureate degree recipients started their educational careers at a Campus. The figure is currently close to 50 percent.

The most controversial section of the Basic Skills Report (May 1 INTERCOM) was the recommendation to discontinue offering Math 0 since it "is not directly linked to subsequent courses in mathematics nor is it a prerequisite to any other mathematics course."

Senator Donald Rung, professor and head of mathematics, explained that the material covered in Math 0 is on a seventh and eighth grade level, that Math 0 was designed to help students remove basic skills deficiencies, and that he felt this charge had been fulfilled.

Senator Thomas Daubert pointed out

that students can graduate from Penn State without taking a single course in mathematics, and his concern was echoed by a number of senators, among them Robert Blackson (Altoona), who noted that there was no assurance in the proposed legislation that students would have learned basic arithmetic skills before they graduated from Penn State.

Senator Patricia M. Overdeer (Ogontz) reported that "most of the students we get in Math 0 really need individual help, and they won't get it at a learning center where they sit by themselves and read."

Senator Richard McCarl remarked that there are still several units at Penn State which do not require mathematics as a prerequisite and the problem should be handled by these programs and not by basic skills legislation.

Commenting on the debate, Senator Robert E. Dunham, vice president for undergraduate studies, said that there have been persons who have passed Math 0 with a grade as high as an "A," who subsequently failed the University's math proficiency examination.

"It's true that students have difficulties, and it's true that we probably ought to be doing a lot for them," Dr. Dunham continued. "We could offer courses in reading, which we're not doing at very many locations, courses in study skills, in

listening skills, and in a lot of other things that would help them get moving in their college programs. But we really don't have enough money to do all these things now, and so we're trying to look at the budget and find out the best way to spend a limited amount of money."

"English 4 is a prerequisite for English 10. You must take it if you place at that level, and if you pass it, you remove the deficiency. There is no tracking needed for that. But if you get involved with the arithmetic side of the house, you must track students, and the tracking and the administration costs . . . are expensive. I think the money could be better spent. . . ."

The Senate voted to continue credit courses in English to help students strengthen writing skills (English 4) and to discontinue Math 0. Also passed was the Committee's recommendation to cease tracking and retake-testing procedures, as well as to discontinue the provision requiring students to be dropped from degree status for failure to remove Basic Skills deficiencies within three terms of enrollment.

The Basic Skills Committee had argued for the continuation of English 4 because it is a prerequisite to English 10 for students scoring 31 or below on the English

(Continued on page 3)

An Open Letter to the Faculty

University Park's Spring Commencement on May 31 is the University's most prestigious academic ceremony. It provides faculty members an opportunity to join with graduates, their parents and friends in the celebration of this memorable day in a Penn State student's educational career. The participation by faculty members in the ceremony is especially appreciated by graduates, who this year number over 5,000. We are fortunate to have as our 1980 commencement speaker Governor Richard Thornburgh, well respected for his public service and civic leadership.

I invite personally all faculty members to attend the Spring ceremony at Beaver Stadium and to join in the formal academic procession. Faculty members in academic regalia should assemble at 10:15 a.m. in the Home Team Locker Room area. Reserved seating on the field will be provided. In the event of rain, please plan on attending your College's ceremony. Your dean's office can give you specific information on alternate sites.

I look forward to joining with you in honoring our Spring graduates.

John W. Oswald

John W. Oswald
President

Penn Staters

Dr. Thomas E. Long, associate professor of vocational and counselor education, has been named as a Senior Fulbright Scholar to Ireland. While in Ireland, Dr. Long will lecture in psychology and counseling at University College, Dublin, and study the effects of rapid industrialization on the development of career related psycho-social services for youth and adults.

At its 65th Annual Conference recently in San Diego, the National University Extension Association presented a number of awards to the University. They include: — The Stanley C. Robinson Award of NUEA's Conferences and Institutes Division to Wayne R. Bechdel, assistant dean for continuing education and public service in the College of Arts and Architecture. The award was made because of Mr. Bechdel's contributions as director of the Keller Conference Center, the number of conferences and participants tripling during his tenure. He also was cited for his role in developing many innovative projects in his present post.

— The Faculty Service Award to Dr. Joseph F. Bradley, professor of finance. The award came about largely because of Dr. Bradley's 25 years of service as academic chairman of the annual Penn State Credit Union Institute, a continuing education service of the College of Business Administration.

— NUEA's Creative Programming Award to the University for the Bethlehem Mine Union-Management Seminar. This program was developed to improve inter-personal awareness and working relations between union and management of two coal divisions of Bethlehem Steel Corporation. Dr. J. Richard Zelinka, assistant professor of management development, College of Engineering, is academic coordinator.

— NUEA's award for Outstanding Independent Study Course in the Noncredit Category to Penn State for a course developed in beginning stamp collecting through a grant from the American Philatelic Society. Dr. Gerald C. Eggert, professor of American history, is academic coordinator.

— A certificate of excellence for the Sports Camps Campaign in the category of publications campaign for a single program.

Dr. John Waldhausen, professor and chairman of surgery at Hershey, has been elected a trustee and assistant secretary of the American College of Cardiology for 1980-81.

Dr. Mary Jane Irwin, assistant professor of computer science, presented a paper, "Designing Pipeline Architecture Using On-Line Algorithms," at the Seventh International Symposium on Computer Architecture in LaBauze, France, May 4-8.

Dr. Alphonse Leure Dupree, associate professor of anatomy at Hershey, was invited to present seminars at the University of Illinois Medical Center; the National Eye Institute, NIH; and the University of Chicago. His topic was "Retinal Pigment Epithelial Cytopathology in Rats Following Metal Chelation and Zinc Deficiency."

Dr. Ronald A. Smith, associate professor of physical education, recently gave a presentation on "Winning and a Theory of Competitive Athletics in America" at the R. Tait McKenzie Symposium at the University of Tennessee, Knoxville.

Dr. Edward Danis, DUS consultant to Liberal Arts, has been named editor of the National Association of Academic Affairs Administrators (ACAA) Newsletter. Dr. Danis, who is also an affiliate assistant professor of comparative literature, was appointed to this position at the ACAAD National Conference held in Boston last month.

Dr. Robert E. Dunham, vice president for undergraduate studies, has been given the Air Force ROTC Outstanding Service Award for 1980, the highest award the AFOTC can bestow upon a civilian, for his outstanding moral, intellectual and material support to the Penn State AFOTC detachment.

Dr. Dunham was also the recipient of the Department of Army's Distinguished Service Award last fall for similar contributions to Penn State's Army ROTC program.

During Dr. Dunham's tenure, the Penn State AFOTC detachment three times has received the Air Force Outstanding Unit Award, with one of those coming this year. No other University has ever received the award more than twice.

Enrollments in the Penn State AFOTC program have doubled during this period, and scholarship students have increased to more than 75 percent of the cadet class.

Irvin H. Kocheil, director of Behrend College, received an honorary doctor of laws degree from Gannon University on April 24. The citation said:

"He has through the years and to an unprecedented degree demonstrated those personal and professional qualities we look for and cherish most in an educator: the ability to shape and mold; to create and inspire; to act and achieve so that learning may continue to grow for us and our posterity."

The citation also refers to Irvin Kocheil's "inspired leadership," which transformed "a one year transfer center with a limited student enrollment to the only four year degree granting college within the multicampus system of The Pennsylvania State University, outside the University Park Campus. . . . His singular dedication and devotion to Behrend College have been accompanied by contributions to his profession beyond the college and to public service within the community of Erie and the Commonwealth."

Dr. Evan G. Pattishall Jr., professor of behavioral science and interim dean of the College of Human Development, has been invited to become a member of the Academy of Behavioral Medicine Research. The Academy, consisting of approximately 120 selected U.S. research scientists, promotes standards for research within the field of behavioral medicine and fosters collaborative research between biomedical and behavioral scientists. Dean Pattishall came to his current post on Oct. 1, 1979, from the College of Medicine in Hershey, where he was chairman of the Department of Behavioral Science and associate provost for health education.

Dr. Gerald Phillips, professor of speech communication, has been elected first vice-president of the Eastern Communication Association, which has more than 1,000 members in New England, the Middle Atlantic states, West Virginia and northern Ohio. He will assume his post in Spring 1981 and become president of the group the following year.

Bookshelf

Dr. Robert J. Brown, associate professor of finance at Capitol Campus, is principal author of *Life Cycle Costing*, a 300-page book published by Fairmont Press. Rudolph K. Yanuck, a graduate of Capitol's Master of Administration Program, is co-author.

The book covers techniques and applications of life cycle costing, with particular emphasis on energy-saving projects. It is designed to be of special interest to engineers and architects.

Dr. Thomas A. Hale, associate professor of French and comparative literature, is co-editor of a book of selected papers from the third meeting of the African Literature Association, held in 1977 at the University of Wisconsin. Entitled *Artist and Audience: African Literature as a Shared Experience*, it was published by Three Continents Press of Washington, D.C.

A general theme of both the book and a conference is that teachers of African literature have failed to give adequate attention to the context in which particular works were conceived or written.

Dr. Hale, who holds a B.A. and M.A. from Tufts University and a Ph.D. from the University of Rochester, all in French literature, joined the Penn State faculty in 1973. He is the author of a study of Aime Cesaire, the Martinican poet and playwright, and co-edited an earlier volume of ALA papers, *The Teaching of African Literature*.

25-year chairs



Prof. O'Connell



Mr. Dixon



Mr. Owens



Mrs. Fravel

The College of Engineering has presented 25-year service awards to William D. O'Connell, associate professor of electrical engineering, and Robert C. Owens, engineering side in the Noise Control Laboratory of the Mechanical Engineering Department; and Kenneth H. Dixon Jr., group-leader mechanic for experiments and maintenance in the Industrial and Management Systems Engineering Department.

Professor O'Connell, who earned his B.S. and M.S. at Pitt, joined the University as an instructor in 1949, was named an assistant professor in 1955 and an associate professor in 1961.

He served four years in the U.S. Navy during World War II, more than half of them in the South Pacific as an aviation chief electrician's mate. Before joining Penn State's faculty, Professor O'Connell worked at Westinghouse Electric Company and at the Elliott Company in Ridgway, Pa., as an applications engineer.

Currently teaching courses in energy conservation, networks, industrial electronics, and power system stability, he has handled 38 different courses during the past 25 years.

Electrical engineering students elected him "Prof. Snarf" (favorite professor) in 1964, and in 1965 he was elected "Prof. Snarf" for the College of Engineering by the Engineering Student Council.

Mr. Owens started at Penn State in 1954 as an engineering aide at the Ordnance Research Lab, where he worked in electronics research.

Before coming to Penn State, Mr. Owens, who served with the U.S. Army in the South Pacific during World War II, worked at Philco Corporation in Philadelphia. He joined the Noise Control Lab in 1972 and is currently responsible for maintaining laboratory equipment. An expert in building analog and digital electronics equipment, Mr. Owens helps run experiments in both the laboratory and field. He has a reputation as an "uncanny whiz" at troubleshooting when equipment fails.

A native of Clearfield and a graduate of Clearfield Area High School, Mr. Dixon joined the University as an aide in the Agronomy Department in 1953. Four years later he transferred to Industrial and Management Systems Engineering as a technician in the machine shop.

In 1968 Mr. Dixon received his journeyman machinist certificate and in 1974 was promoted to group leader of the maintenance mechanics. In this post, he supervises three other technicians. Mr. Dixon also maintains and builds all

equipment and instruments used in his department's laboratory classes and in the many research projects conducted by its faculty members and graduate students. One research instrument which he built (a project that took many months) was a surface tracing device which measures accurately to 1/10,000 of an inch. The holder of a certificate to teach vocational machine shop, Mr. Dixon has been an instructor at Rockview Correctional Institution for three years.

Active in his community, Mr. Dixon has been a member of the Harris Township Lions Club for 10 years, serving as president, secretary, and currently as a member of the board of directors. His hobbies include building muzzle loading rifles, gardening, cutting firewood, and cross country skiing.

Mr. Dixon has a Penn State family. His wife, Lane, is an acquisitions clerk in Patton Library, and his daughter, Diane, is a 1979 graduate of the College of Health, Physical Education and Recreation.

Mary Jane Fravel, a counter attendant in Pollock Dining Hall, recently received her 25-year chair from the University.

She started working for Penn State on March 23, 1955, as a counter attendant in Waring Dining Hall, transferring to Pollock when it opened in 1960. She has been with Housing & Food Services for her entire career.

The Mill Hall R.D. resident has three daughters. One of them, Mary Lou Houtz, is a data scheduler in Shields Building.

Obituary

Gertrude E. Mason, a clerk in the Library, died May 3. Born in Sodus, Mich., she started work at the University in 1965 as a maid with Housing and Food Services and joined the Library staff the following year.

Funding Sources

For further information, call 865-1372

(332-2) Advanced Research in India 1981-82 fellowships are available through the Indo-American Fellowship Program. Sought are not Indian specialists, but individuals whose disciplinary or professional skills can be enhanced by the opportunity to carry out research in India. New people and new ideas are wanted. Areas of interest include: Natural, applied and social sciences and professional areas such as architecture, business, law, medicine, public health, museum work, and creative arts. Fellowships are long term (6-10 months) or short-term (2-3 months). The application deadline is July 1, 1980. Contact the Council for International Exchange of Scholars (CIES) (202-833-4798). (Ref: CIES Announcement).

(335-1) The National Science Foundation announces four (4) programs for which proposals may be submitted at any time of the year and which require 6-9 months to process. They are: Doctoral Dissertation Research Proposals in Environmental Biology (contact 202-357-9586); Biological Research Resources (contact 202-357-7475); Development in Science Education (DISE) (contact 202-282-7910); and Information Science and Technology (contact 202-357-9569). (Ref: NSF Bulletin, May 1980).

NOTE: Many NSF telephone numbers have been changed recently. A new Spring 1980 Organizational Directory containing the new numbers is available by calling this column's contact number.

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Calendar

May 15-25

Special Events

Thursday, May 15

Campus Collegues meeting, 4:30-6:30 p.m., Assembly Room, Nittany Lion Inn. Dr. Emily Taylor, dir. of Office of Women in Higher Education, American Council on Education, speaker.

Folklore Society, Square Dance, 7:30 p.m., Room 301 HUB.

*URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Friday, May 16

Let day to sign Spring Term Emergency Loans, Room 108 Shields.

Early registration begins for Summer Term, 8:30 a.m.-4:30 p.m., Room 112 Shields. Also May 19-22.

Sports: track (men), Penn State Open, 3 p.m. Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Mark Morey, geography, on "Appalachian Spring: A Visual Evocation."

Shaver's Creek Nature program, Evening Bird Walk with David and Barbara Middleton, 5:15-7 p.m., Toftrees Game Lands. Park by Coffee Grinder Restaurant.

Commonplace Theatre, *Monterey Pop*, 7 and 9 p.m., Room 112 Kern.

*URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Saturday, May 17

Sports: tennis (men) vs. Mercyhurst, 1 p.m. France-Cinema, *Barbarella*, 7 and 9 p.m., Room 112 Kern.

*URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Sunday, May 18

Sports: tennis (men) vs. Mercyhurst, 1 p.m. France-Cinema, *Barbarella*, 7 and 9 p.m., Room 112 Kern.

*URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Monday, May 19

Sports: tennis (men) vs. Mercyhurst, 1 p.m. France-Cinema, *Barbarella*, 7 and 9 p.m., Room 112 Kern.

*URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Tuesday, May 20

Sports: tennis (men) vs. Mercyhurst, 1 p.m. France-Cinema, *Barbarella*, 7 and 9 p.m., Room 112 Kern.

*URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Wednesday, May 21

Sports: tennis (men) vs. Mercyhurst, 1 p.m. France-Cinema, *Barbarella*, 7 and 9 p.m., Room 112 Kern.

*URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Thursday, May 22

Sports: tennis (men) vs. Mercyhurst, 1 p.m. France-Cinema, *Barbarella*, 7 and 9 p.m., Room 112 Kern.

*URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Friday, May 23

Sports: tennis (men) vs. Mercyhurst, 1 p.m. France-Cinema, *Barbarella*, 7 and 9 p.m., Room 112 Kern.

*URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Saturday, May 24

Sports: tennis (men) vs. Mercyhurst, 1 p.m. France-Cinema, *Barbarella*, 7 and 9 p.m., Room 112 Kern.

*URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Sunday, May 25

Sports: tennis (men) vs. Mercyhurst, 1 p.m. France-Cinema, *Barbarella*, 7 and 9 p.m., Room 112 Kern.

*URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Monday, May 26

Sports: tennis (men) vs. Mercyhurst, 1 p.m. France-Cinema, *Barbarella*, 7 and 9 p.m., Room 112 Kern.

*URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Tuesday, May 27

Sports: tennis (men) vs. Mercyhurst, 1 p.m. France-Cinema, *Barbarella*, 7 and 9 p.m., Room 112 Kern.

*URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Wednesday, May 28

Sports: tennis (men) vs. Mercyhurst, 1 p.m. France-Cinema, *Barbarella*, 7 and 9 p.m., Room 112 Kern.

*URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Thursday, May 29

Sports: tennis (men) vs. Mercyhurst, 1 p.m. France-Cinema, *Barbarella*, 7 and 9 p.m., Room 112 Kern.

*URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Friday, May 30

Sports: tennis (men) vs. Mercyhurst, 1 p.m. France-Cinema, *Barbarella*, 7 and 9 p.m., Room 112 Kern.

*URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Saturday, May 31

Sports: tennis (men) vs. Mercyhurst, 1 p.m. France-Cinema, *Barbarella*, 7 and 9 p.m., Room 112 Kern.

*URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Sunday, June 1

Sports: tennis (men) vs. Mercyhurst, 1 p.m. France-Cinema, *Barbarella*, 7 and 9 p.m., Room 112 Kern.

*URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Monday, June 2

Sports: tennis (men) vs. Mercyhurst, 1 p.m. France-Cinema, *Barbarella*, 7 and 9 p.m., Room 112 Kern.

*URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Tuesday, June 3

Sports: tennis (men) vs. Mercyhurst, 1 p.m. France-Cinema, *Barbarella*, 7 and 9 p.m., Room 112 Kern.

*URTC, *The Taming of the Shrew*, 8 p.m., The Playhouse.

Monday, May 19

Final examinations. France-Cinema, *Barbarella*, 7 and 9 p.m., Room 112 Kern.

Color Slide Club meeting, 7:30 p.m., Room 189 Materials Research Lab.

Tuesday, May 20

Final examinations. College of Agriculture faculty meeting, 4 p.m., Room 301 Ag. Admin Bldg.

Friends of the Museum annual meeting, 8 p.m., Museum of Art.

Wednesday, May 21

Final examinations.

Thursday, May 22

Final examinations.

Outdoor pool open daily, 10:30 a.m.-6 p.m., through May 29.



1907 poster from show at Museum.

Friday, May 23

Residence Halls close for Spring Term, 3 p.m.

Saturday, May 24

Shaver's Creek Nature Center, Dr. Paul Risk, on "Wilderness Survival and Edible Plants," slides and walk, 2-4 p.m., Stone Valley.

Sunday, May 25

Shaver's Creek Nature Center, Brown "Things" walk, 2-3 p.m., Stone Valley.

Seminars

Thursday, May 15

Chemistry, Jay K. Kochi, Indiana Univ., Bloomington, on "Structural and Mechanistic Aspects of Metal Complexes in Free Radical Chemistry," 12:45 p.m., Room 333 Whitmore (new listing).

Mathematics, Andrew Wiles, Harvard Univ., on "Cyclotomic Fields," 4 p.m., Room 103 McAllister (new listing).

Friday, May 16

Analytical Chemistry, Paul Shepson, grad. student, on "The Photooxidation of Propionaldehyde," 11-10 a.m., Room 333 Whitmore.

Physical Chemistry, William Sanders, grad. student, on "Collisional Alignment of Molecular Rotations," 4 p.m., Room 333 Whitmore.

Exhibits

Chambers Gallery: Undergraduate Art Education Exhibit, mixed media, through May 16.

HUB Galleries: Jeanne Stevens Soliman, ceramic sculpture, The Gallery, "Landscape Architects Professional Awards Traveling Exhibit," through May 17, Browning Gallery.

Ryan Nettles, sculpture, through May 17, Gallery Lounge, Mike Starnier, pottery, and Rome Hanks and Friends, group photo exhibit, through May 17, Art Alley.

Kern Gallery: Mary Bissett, photographs, through May 17; Matt Reitz, glass, through May 23.

Museum of Art: Diane Pepe, recent work on paper; highlights from the permanent collection; European posters (1895-1930) from the permanent collection.

Pattee Library: Patricia O'Connor, paintings, East Corridor Gallery; Dennis Aumiller, photographs, Lending Services Lobby.

Ceramics, Main Lobby, Yachad, Living in Jerusalem, through May 18, West Pattee Ground Floor.

New program to offer infant/toddler, pre-school day care

The Child Development/Child Services Laboratory, operated by the Individual and Family Studies Program of the College of Human Development, will expand its services this summer to include new infant/toddler and pre-school day care programs.

IFS, which will also extend its morning and afternoon nursery programs, is completing negotiations with the Child Development Council of Centre County to administer, staff and conduct the infant/toddler segment of the day care programs, according to Dr. Fred W. Vondracek, IFS program head.

"The day care programs, to be located in Henderson Human Development Building, will be open from 7:30 a.m. to 5:30 p.m. five days a week, 50 weeks a year," Dr. Vondracek says.

The infant/toddler day care program will enroll children from six weeks through two years of age; the pre-school day care program will enroll three- to five-year-olds. Both programs should become operational between July 1 and September 1, according to current plans.

The nursery school, which enrolls children three to five years old, will lengthen its morning and afternoon sessions from 2½ to three hours, five days a week. In addition, it will begin operating 50 weeks per year, discarding the current 10-week sessions that parallel University terms.

"We anticipate having space for a total of 80 to 100 children in all four programs," Dr. Vondracek notes.

"The expansion of child care services is being undertaken to improve graduate and undergraduate training and research opportunities and to meet the needs of a changing society in which fully half of the women now work," he explains. "We hope it also will strengthen the good relations between the College of Human Development and community service agencies."

The day care and nursery school programs will allow for research projects not only by Human Development faculty members, but also for researchers in other departments and colleges. Dr. Vondracek points out.

He adds, however, that research and training will be "conducted in such a way as to enrich the programs, not to interfere with them. The College has been offering a nursery school program continuously for 57 years, and the resulting expertise allows us to conduct research that is relatively non-intrusive and does not interfere with the welfare of the children."

Details of the cooperative agreement between the Child Development Council and the University pertaining to the Infant/Toddler day care program are yet to be finalized. Parents who want information about enrolling children in the nursery school or the day care programs, however, should contact Janice G. Reese, IFS academic coordinator, in Room S-105 Henderson Human Development Building (863-0241).

Admissions Program (INTERCOM, May 1) allowing highly qualified students to leave secondary school after completion of the junior year and enroll at Penn State as regular degree candidates.

Proposals were passed to require two units of Math and one of Science as prerequisites for admission to the College of Health, Physical Education and Recreation; and to realign the structure of several Senate committees to make them conform more closely with the administrative structure of the University.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 473-1387). Applications for these staff vacancies will be accepted until 5 p.m., May 21, 1980. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ASSISTANT DIRECTOR OF NURSING SERVICES - COLLEGE OF MEDICINE, Hershey Responsible to the Assistant Hospital Director/Chief of Nursing Services for assisting with the administration of the Department of Nursing Services within assigned patient care areas, including planning, organizing, staffing, coordinating, and evaluating activities necessary for continuation and supervision of nursing care. A bachelor's degree in nursing or equivalency, plus four to five years of effective experience and licensed to practice as a registered nurse by the Pennsylvania State Board of Nurse Examiners.

LEAD PROGRAMMER - MANAGEMENT ENGINEERING, University Park Perform detailed system design, develop, test, document, and maintain programs; keep abreast of state-of-the-art techniques in system design and development; Bachelor's degree or equivalent in computer science or related field, plus three to four years of effective experience in programming and system design. Proficiency in COBOL on third generation computer equipment is desired.

PATIENT UNIT COORDINATOR - COLLEGE OF MEDICINE, Hershey Responsible to the Assistant Hospital Director/Chief of Nursing Services or the Assistant Director of Nursing Services as designated for the operation of the patient care unit, including nursing care activities, the coordination of patient care plans, and maintaining acceptable standards of good patient care on a 24-hour basis. A bachelor's degree in nursing or equivalency, plus three to four years of effective experience and licensed to practice as a registered nurse by the Pennsylvania State Board of Nurse Examiners.

OPHTHALMIC ECHOGRAPHY SPECIALIST - COLLEGE OF MEDICINE, Hershey Responsible to the Clinic Supervisor and the Chief, Division of Ophthalmology, for patient diagnosis.

ultrasographic examinations, as well as for conducting clinical research and instruction of health care professional in ultrasonography. Bachelor's degree in the biological sciences, plus two years of specialized training and one to two years of effective experience.

FINANCIAL AID COORDINATOR - WAGE MONITORING - OFFICE OF STUDENT AID, University Park Responsible to the Director of Student Aid for the administration of the University Wage Payroll Monitoring System, for counseling students on financial aid matters, and for assisting in the internal administration of all financial aid programs. Master's degree or equivalent in student personnel services, public administration, business administration, or other related field, plus up to one year of effective experience required.

STAFF DEVELOPMENT INSTRUCTOR - COLLEGE OF MEDICINE, Hershey Responsible to the Inservice Program Coordinator for planning and teaching various nursing service educational programs. Strives to increase the level of knowledge among professional staff through various programs of orientation, skill training, continuing education, and leadership training. Bachelor's degree with one to two years of effective hospital nursing experience or diploma graduate with two to four years of effective hospital experience, with a minimum of two years as an Inservice Instructor preferred.

Part-time instructors needed

The English department will probably need several part-time instructors to teach one or two sections of Composition per term, beginning Fall 1980. Applicants should have at least a master's degree in English or a related field, as well as some teaching experience, either on the high school or college level. Beginning instructors are required to attend an orientation session before Fall Term begins, and to participate in a weekly staff meeting throughout their first year of teaching. Anyone interested in applying should submit a resume and writing sample to Robert D. Hume, associate head, Department of English, Room 118 Burrows Building, University Park, PA 16802.

Senate

(Continued from page 1)

placement test. These students must continue to follow the English 4-10-20 sequence.

Another Committee recommendation accepted by the Senate asks the Vice President for Undergraduate Studies to instruct DUS to revise the Student Profile of Academic Abilities to show a student reading skills assessment. Senate monitoring of the Basic Skills program is transferred to the Senate Committee on Undergraduate Instruction.

Senators also engaged in a lengthy debate on a Curricular Affairs recommendation on 800-level courses. Ultimately, it was decided to give colleges and program areas responsibility for determining the application of these credits to their requirements.

After reexamination of its 800-level courses, each program area is to drop any such courses duplicating 1-399 courses; renumber into the 1-399 series courses which would be appropriate at the baccalaureate level, even though not appropriate for the major of the sponsoring department; and provide justification for continuing 800-level courses. Changes should be in effect before the printing of the 1982-83 University Bulletin.

Curricular Affairs also recommended that associate degrees conferred by Penn State be combined into three groups: Associate in Arts, Associate in Science, and Associate in Engineering. The Committee explained that because the associate degree program was founded by the College of Engineering and because that program is the largest in the nation, it deserves a separate category. The Senate agreed to this.

In other business, the Senate accepted a report of its Committee on Admissions, Records and Scheduling to set up an Early

News in Brief

Dr. Grubb to head 1980 U.P. United Way drive

Dr. Richard E. Grubb, senior vice president for administration, has been named 1980 chairman for the United Way program at the University Park Campus.

In announcing the appointment, President Oswald said, "I am delighted that Dr. Grubb has accepted the leadership role for this important program. As a chief officer of the University he understands well the importance of the University's support of United Way."

"Dr. Grubb's organizational skills and ability to relate to all members of the University are leadership qualities essential in implementing a successful United Way campaign."

United Way is the only charitable contribution plan endorsed by the University. Employees can contribute through payroll deduction.

In Centre County, 27 agencies, including Red Cross, several youth agencies, home health agencies, and organizations working with mental health are included in the annual United Way drive conducted in early Fall. Penn State employees also have the option of contributing to United Ways in other counties.

Walker, Hetzel award recipients announced

The Eric A. Walker and Ralph Dorn Hetzel awards will honor three graduating seniors at Spring Commencement on May 31. Ann Carr (HPER), a four-year standout with the Women's Gymnastics Team, will

receive the Walker Award as the student "whose activities and achievements have enhanced the public esteem and renown of the University."

Carol J. Mattis and Shelly Harry Young, both of the College of Business Administration, are the recipients of the Hetzel Award, which recognizes the "achievements and potential of outstanding undergraduate students who have demonstrated the qualities of responsible leadership... and give promise of public-spirited achievement in the future."

Ms. Mattis, who has made the Dean's List for eight consecutive terms, is principal oboist with the Penn State Symphony. Mr. Young, a resident assistant and a Dean's List student, is chairman of USG's Race Relations Board.

Winners of the awards are selected by a committee appointed by the Vice President for Student Affairs.

Parents advised to review health benefits for dependents

Faculty and staff members with children are reminded that dependent children are only covered under the University's health insurance programs until the age of 19, unless they are full-time students. Those who are full-time students continue to be covered until age 23.

Parents of children approaching age 19 or 23 should be aware of these facts so that they can apply for other health insurance coverage in advance if they so desire.

The University's insurance carrier does offer a hospital/surgical/medical plan to which the group insurance program may be converted. Information and application forms for this conversion

coverage may be obtained from the Employee Benefits Division, Room 133 Willard Building (865-1473). Information about other, independent coverage programs can be obtained from commercial agencies or salespersons.

PENNTAP issues study

PENNTAP (the Pennsylvania Technical Assistance Program), in cooperation with the U.S. Small Business Administration, has published a 555-page economic study on *The Status of Small Businesses in Region III*.

Hardback editions have been distributed to governors and commerce-related officials in the Region III states of Delaware, Maryland, West Virginia, Virginia, Pennsylvania, and the District of Columbia. Federal departments and major libraries are also receiving the volume.

Eighteen authors selected from throughout the Region provided research and analysis chapters for the study, which was originated to create information and data for legislative and policy-making discussions at the recent White House Conference on Small Business.

Paul W. Houck, PENNTAP information coordinator, served as editor and supervisor for the project. He also authored the lead overview chapter, "Does It Have To Be Us vs. Them?" Dr. H. LeRoy Marlow, director of PENNTAP, was the project contractor.

The chapter entitled "Energy Impact on Small Business" was authored by Dr. Edwin W. Biederman Jr., a PENNTAP technical specialist.

PENNTAP is a continuing education service which has partial funding from the Pennsylvania Department of Commerce.

Pennsylvania official participates in workshop

Pennsylvania's Deputy Secretary for Budget, Robert Bittenbender, led a discussion of the Commonwealth's experience in the statewide application of program budgeting at a one-day workshop on Program Budgeting at a national meeting of the American Society for Public Administration. The workshop was conducted by Dr. Robert J. Mowitz, director of the University's Institute of Public Administration.

The theme of the conference, which was held April 13-16 in San Francisco, was "The Challenge of the 1980s - Improving the Credibility of the Public Service."

Some spaces available for Stratford Festival trip

Some space will be available for faculty and staff members on a July 25-27 trip to the Stratford Shakespeare Festival. The trip is arranged annually for students in English 549 (Shakespeare).

The \$92 per person fee includes tickets to three plays, lodging for three nights in Stratford rooming houses, and round trip transportation, in University vans.

Tickets have been reserved for *Henry V*, *Much Ado About Nothing* (starring Maggie Smith) and *Titus Andronicus*.

Details about exchange rates, restaurants, crossing borders, trip insurance, etc. will be supplied after space has been reserved. Down payments of \$20 per person should be sent to Judd Arnold, Department of English, 5232 Burrows Building (865-9445), University Park.

Dean Bartoo

(Continued from page 1)

"I have never sought out an administrative post," he comments. "When Dean Ben Ewema first asked me to become head of mathematics, I gave him all the reasons why he should pick someone else. When President Eric Walker talked to me about becoming Graduate School dean, I tried to impress on him that I thought he should look somewhere else."

Administrators, Dean Bartoo believes, must establish priorities. "Sometimes in order to keep the paper moving, you simply can't afford to sit back and look at all sides of an issue and cogitate about it," he says. "You just can't get too far behind."

"People often look at administrative officers and think that the decisions they make are pretty arbitrary. But when you're occupying an office, you may have to make a decision on the basis of the information that's available. You hope it's good and that it's complete, but as a survival mechanism, you just have to keep the decisions flowing."

One theory of administration, according to Dean Bartoo, advocates assuming as much power as is necessary to get a job done.

"I hope I've never abused my position," he says. "I always worry that I may not have brought all the necessary segments of the University into the consultation process. Frankly, I have overlooked people on occasion; but that's true of almost any administrator."

Looking back, Dean Bartoo recalls with enjoyment his years in the mathematics department and the opportunity he had to be a party to the formation of the present Departments of Computer Science and Statistics. But among the administrative jobs at his present level, he considers that of the dean of the Graduate School the best.

"I don't have to get too wrapped up in everyday routine and budgets," he explains. "My personal relationships with people are not too closely tied up with their economic well being and positions, so I can relate to them on a different plane than a college dean."

Commenting on Dean Bartoo's 20 years of administrative service, the Wilkinson Award nomination says:

"James Bartoo has picked his way among the high peaks and valleys of administration dependably, cheerfully, with full effort and often on difficult assignment."

"He has evolved that careful balance between status quo and brass innovation, which has helped the University to continue to serve constructively while crucial personnel searches were underway. He is modest, firm, fair and intelligent."

Established in 1970 by the friends of John E. Wilkinson, lifelong Centre County businessman, the award is given annually to a Penn State administrator whose performance methods and achievements exemplify administrative excellence. It carries a \$500 stipend.

Dr. Flipse

(Continued from page 1)

The Barash Award, created in 1975 by the family of the late Sy Barash of State College, recognizes a full-time member of the faculty, staff or student body at University Park "who has contributed most, apart from regular duties, to human causes, public service activities and organizations or welfare of other humans."

Dr. Flipse, who is an assistant dean and assistant director of the Agricultural Experiment Station, was cited by the awards committee for his work with the Boy Scouts of America.

"Living on a farm nine miles from town, I didn't have a chance to enter scouting as a boy," he notes.

However, three of his four sons are Eagle Scouts (and Penn State alumni) and the fourth, who is still in high school, has only one rank to go. His daughter, also a Penn State graduate, was active in Girl Scouting, and Mrs. Flipse is a merit badge counselor for the Boy Scouts and helps with the local troop committee.

Dr. Flipse received the Scouts' Silver Beaver Award in 1967 for his outstanding service to boys. He serves as scouting coordinator for the Harris Township Scout troop and as council commissioner and woodbadge training coordinator for the Juniata Valley Council of the Boy Scouts. Among his numerous responsibilities are the planning, direction and implementation of training programs for Cub Scouts, Boy Scouts and Explorers.

He is also a member of the National Council Subcommittee on Boy Scout Advancement.

Scouting is not Dr. Flipse's only "extracurricular activity." He served 18 years as a Harris Township auditor, is active in the Harris Township Lions Club and in the University Baptist Church.

A professor of dairy science and a member of the faculty since 1950, he holds a B.S. in dairy husbandry from Kansas State, and M.S. and Ph.D. degrees in animal nutrition from Michigan State. He won the 1969 Borden Award for his research on the biochemistry and metabolism of bovine sperm.

How does he manage to find time for everything? "I have a well organized wife who helps point me in the right direction," he reports. "And I don't watch television; for many years we didn't even have one in the house. That saves me a lot of time."

"Then some of my hobbies - hiking, camping, and canoeing, for example - combine family recreation with scouting activities. I manage to keep a half acre garden under cultivation as well."

The Barash Award, which consists of a \$1,000 check, is named for a Penn State alumnus and former State College businessman, Sy Barash, who died in 1975. Over the years, Mr. Barash devoted much time, energy and leadership to humanitarian causes.

Dr. Friedman

(Continued from page 1)

the maintenance of a well-regarded faculty in the mainstream of our discipline."

During his tenure, the department expanded its scope in comparative politics and strengthened its American politics and public policy segments.

"Illustrative of the things I'm especially proud of was the department's initiation and development of working relationships with colleagues at sister institutions in Germany and Venezuela," he reflects.

The year after his arrival, Dr. Friedman chaired the Committee to Create a Graduate Council, the advisory group to the dean of the Graduate School, and served as a Graduate Council member from 1971-73. Except for a two-year absence, he has been a member of the Faculty Senate since 1970, serving as vice-chairman in 1971-72.

"One of my most challenging roles," he says, "came as chairman of the Joint Faculty/Administrative Committee on Faculty Participation in University Governance in 1974."

The final report - often referred to as the "Friedman Report" - proposed changes in the role of the faculty in University governance, most of which were approved by the Senate and adopted by the President and the Board of Trustees.

In addition to bureaucracy, Dr. Friedman has done research in the areas of public administration, state politics and public policy, particularly science policy and regulatory policy. Since 1976, he has been director of the University's Center for the Study of Science Policy.

Dr. Friedman, who received his B.A. from Johns Hopkins and his M.A. and Ph.D. from the University of Illinois, served on the faculties of the University of Maryland, Louisiana State University and the University of Michigan before coming to Penn State.

Currently, he is engaged in a National Science Foundation-funded project with his wife, Renee, and other staff members of the Center for the Study of Higher Education on organized research units as training grounds for scientists and engineers.

The Donkin Award nominating statement says of him: "His wise and impartial direction of the (political science) department was something of a model for other departments." As a long-time Senate member, he "has worked to make its legislation enhance the quality of academic life at Penn State."

The \$500 award honors the late McKay Donkin, vice president for finance and University treasurer from 1957 to 1968.

Penn State Intercom



President Oswald congratulated Dr. Athleen Stere prior to the May 6 Senate meeting at Altoona.

Stere, Henszey to receive 1980 Lindback awards

Athleen J. Stere likes to describe herself as an "old-fashioned" teacher.

"I believe in organization and structuring for beginning students," says this Altoona-based associate professor of biology and co-winner of the 1980 Christian R. and Mary F. Lindback Award for Distinguished Teaching.

"I don't go in for a lot of song and dance acts in class," Dr. Stere continues. "The students are there to learn fundamentals."

Constantly searching for new ways to keep her material fresh and vital, Professor Stere has evolved a method of diagramming on the black board with colored chalks to clarify her lectures.

As one student recalled: "Although this may not seem initially to be noteworthy, its effectiveness was demonstrated repeatedly to me when I began to be able to identify students who had taken courses from Professor Stere by their collections of colored pencils. Most of them found this technique so effective they utilized it in other courses."

To help her in teaching Anatomy 1, Professor Stere prepared a complete set of microscope slides of histological sections of various bodily tissues, normal and pathological. These slides are used as demonstrations in laboratories, and as extra material provide students with an introduction to histology, thus broadening their knowledge of gross anatomy.

But if Professor Stere permits no compromises with the curriculum, she also sets no limits on the time she is willing to make available to students.

"I get to know my students personally," she says. "They come to my office, and they stay around after class. I'm probably

(Continued on page 4)



Dr. Benjamin N. Henszey

"Business Law 243 is the only first period class I've had I didn't mind getting up for."

That's high praise from a student — as any faculty member who has met an 8 o'clock class knows — and it's typical of the evaluations Benjamin N. Henszey receives.

An associate professor of business law, Dr. Henszey is the co-recipient of this year's Christian R. and Mary F. Lindback Award for Distinguished Teaching. The award will be presented by President Oswald at Spring Commencement exercises on May 31.

Professor Henszey had only been a full-time faculty member for two years when in 1975 he won the College of Business Administration's Alumni Association Award for Outstanding Teaching. Since then, with colleague Barry L. Myers, he has restructured Business Law 243. With the help of a course improvement grant from the Office of the Vice President for Undergraduate Studies, detailed course outlines, audio tapes illustrating important legal concepts, packets of cases, and new testing procedures were instituted.

While 243 is required of all students in Business Administration, many of those who take it become so excited about the subject that they go on to Business Law 400 — the advanced course which Professor Henszey developed and teaches. When first introduced, the course was offered

(Continued on page 4)

20 Penn State Campuses will hold Spring Commencement exercises

Faculty members at University Park are invited to participate in the May 31 Spring Commencement exercises. They should assemble in academic regalia at 10-15 a.m. in the Home Team Locker Room area at Beaver Stadium for the formal academic procession. Reserved seating will be provided on the field.

In case of rain, three commencement exercises will be held at 10:30 a.m. in the morning, and two ceremonies at 2 p.m. in the afternoon.

In the morning, the Colleges of Agriculture, Business Administration and Health, Physical Education and Recreation will attend ceremonies in Recreation Building. Eisenhower Auditorium will house the College of Engineering, and Schwab Auditorium, the Graduate School.

In the afternoon, students from Arts and Architecture, Earth and Mineral Sciences, Education, Human Development and Science will graduate in Recreation Building. Those from Liberal Arts, Bachelor of Philosophy candidates, and students earning associate degrees from all colleges, will go to Eisenhower Auditorium.

News in Brief

HUB parking lot to be closed May 29

The HUB parking lot, Brown F, will be closed to members of the faculty and staff, as well as to visitors, on Thursday, May 29, to accommodate the Delegate Election of Trustees. Persons with Brown F parking stickers should park in a designated open faculty/staff area in accordance with University parking rules and regulations. The closed open areas are Blue D at the Milton S. Eisenhower Auditorium, and Blue F and Blue G at Pollock and South Halls.

Otto named interim head as Beaver director search continues

David B. Otto has been named interim director of the Beaver Campus until a permanent director is chosen.

Making the announcement, President Oswald said more time is needed to complete the search for a new director.

"With the Spring Term rapidly coming to an end," said Dr. Oswald, "we need more time to make certain that we select the most qualified individual for the position."

Mr. Otto, who has been acting director at the Campus for almost a year, has graciously agreed to serve as interim director. He will have full responsibility for administering the Campus. I am indeed grateful to him for agreeing to assume this additional responsibility."

Mr. Otto will serve as interim director at least until January, and possibly until the Summer of 1981, depending on the availability of a permanent director.

Dr. Oswald said the search will be reopened at the beginning of the academic term this fall with the appointment of a new advisory search committee. The

(Continued on page 3)

Penn State will hold 20 commencement exercises this Spring at its campuses. The schedule follows:

Altoona, May 31, 10:30 a.m., Adler Gymnasium. Speaker: Cynthia Parsons, education editor, *The Christian Science Monitor*.

Beaver, May 30, 7 p.m., Brodhead Cultural Center. Speaker: Dr. Earland Carlson, president, Westminster College.

Behrend College, May 31, 10 a.m., Wilson Grove. Speaker: Dr. Herrington J. Bryce, vice president, The Academy for Contemporary Problems and chief economic consultant, NAACP.

Berks, May 31, 10:30 a.m., Library Building. Speakers: Dr. Harold Perkins, Campus director; Denton Steffy, assistant professor of engineering and chairman, Berks Faculty Senate; and June A. Roedel, chairman of the Campus Advisory Board.

Capitol, June 14, 11 a.m., Founders Hall at the Milton Hershey School. Speaker: Ginny Thornburgh, Pennsylvania's First Lady.

Delaware County, May 31, 10 a.m., outside on campus. Speaker: The Honourable Louis A. Bloom, judge, Court of Common Pleas of Delaware County.

DuBois, May 30, 2 p.m., Gymnasium of the Multi-Purpose Building. Speaker: Dr. Raymond O. Murphy, University vice president for student affairs.

Fayette, May 31, 10:30 a.m., Lecture Hall. Speaker: John Bigley, Fayette student.

Hazleton, May 29, 7 p.m., outside of Main Building. Speaker: Henry Giuliani, attorney at law.

McKeesport, May 31, 10 a.m., Buck Union Building. Speaker: Dr. Harry R. Faulk, director, Educational Management Development Center of the School of Urban and Public Affairs, Carnegie-Mellon, and former McKeesport Advisory Board member.

Milton S. Hershey College of Medicine, May 24, 10 a.m., Founders Hall. Speaker: Dr. H. Arnold Muller, Secretary of Health for the State of Pennsylvania.

Mont Alto, May 31, 11 a.m., outside on campus. Speaker: Willard Gregory, associate professor of chemistry, who is retiring.

New Kensington, May 29, 7 p.m., Forum Theater on campus. Speaker: Still to be announced.

Ogontz, May 29, 8 p.m., Physical Education Building. Speaker: Dr. Theodore Gross, provost, Capitol Campus.

Schuylkill, May 31, 2 p.m., Multi-Purpose Building on campus. Richard Russell, district attorney of Schuylkill County.

Worthington Scranton, May 30, 7 p.m., Multi-Purpose Building (Gym). Speaker: Sister Marian Denise Walsh, administrator, St. Joseph's Center, Scranton.

Shenango Valley, June 1, 2 p.m., Auditorium on campus. Speaker: David A. Lucas, graduating associate degree student at Campus.

Wilkes-Barre, May 31, 2 p.m., outside on grounds.

York, May 29, 8 p.m., Student Center. Speaker: Jeanette Reibman, Pennsylvania State Senator.

Penn Staters

Robert A. Patterson, senior vice president for finance and operations and treasurer of the University since 1971, has been awarded an honorary doctorate of letters by Grove City College.

Mr. Patterson received his bachelor of science degree in business administration from the College in 1939. He holds a master of business administration degree from New York University, in whose Graduate School of Business he served as an associate professor of finance, supplementing his business and financial career.

Immediately before joining the University in 1968 as vice president for finance and treasurer, Mr. Patterson had been for six years secretary and treasurer of the Long Island Railroad Company. Prior to that, for 13 years, he held the posts of director of research and assistant to the president of the Company.

Before joining the Railroad, Mr. Patterson was assistant treasurer and a statistical analyst at Eastern Airlines.

A native of Turtle Creek, Pa., Mr. Patterson served in the Naval Air Forces during World War II.

He is currently a director of the Mid-State Bank and Trust Company of Altoona, chairman of the board of the Pennsylvania State University Press, Ltd., and treasurer of the Pennsylvania Research Corporation. He is also a member of the Centre County Higher Education Authority and a trustee of Grove City College.

Dr. Joseph F. Bradley, professor of finance, has been selected to receive the Fred Brand Jr. Award for 1980 as the outstanding teacher in the College of Business Administration. The award, made annually, is based on excellence in teaching at the undergraduate level. The recipient is selected by the Student Council in the College of Business Administration.

Dr. Bradley joined the Penn State faculty in 1948. Throughout his career he has taught at both the undergraduate and graduate level. In addition to devoting time to undergraduate instruction, Dr. Bradley has been an active researcher and writer. He is the author of 11 books, 23 articles and eight monographs.

Three faculty members in the College of Agriculture were cited for outstanding performance at the annual banquet of Gamma Sigma Delta, the agriculture honor society.

Honored for exceptional service in research was Dr. Earl M. Kesler, professor of dairy science. His studies of high-producing cows were described as "setting a standard for other studies throughout the world." The citation also pointed out that Dr. Kesler's findings in calf nutrition have led to modern feeding programs. Among his innovations are the use of waste milk for feeding calves, production of veal with milk replacers, and methods to determine protein and energy levels for high producing cows.

Dr. James H. Mortensen, associate professor of agricultural education, was honored for outstanding teaching. He is responsible for the University's undergraduate program in vocational agriculture and developed the only agriculture course now being taught at the Commonwealth Campuses. Former students have rated him among the four most stimulating teachers in the College.

Cited for achievements with the Cooperative Extension Service was Dr. Richard S. Adams, professor of dairy science extension. A national authority on the feeding of dairy cattle for maximum milk production, Dr. Adams has contributed to Pennsylvania's large increase in milk production through his teaching and writing, his citation said.

Dr. Charles G. Haas, professor of chemistry, is the winner of the 1980 C.I. Noll Award for excellence in undergraduate teaching in the College of

Science. The Noll Award is granted by the College of Science Student Council.

A member of the faculty since 1951, Dr. Haas is a graduate of Virginia Polytechnic Institute and holds M.S. and Ph.D. degrees from the University of Chicago. His courses for non-chemistry majors, Chemistry 12 and 13, have been widely praised by students. Recently he has experimented successfully with a computer-managed instruction program developed at the University of Wisconsin. The program enables students to take a series of ungraded quizzes designed to point out their weaknesses in mastery of course materials. The quizzes are corrected and analyzed by a computer, which then gives each student an individual "prescription" for improvement.

Dr. Anthony Cutler, professor of art history, has received a \$10,000 publication subsidy from the Millard Meiss Fund of the College Art Association. The grant is to assist in the publication of Dr. Cutler's book, *The Aristocratic Psalter in Byzantium*, by the Picard publishing house in Paris.

Dr. Elliot Vessell, professor and chairman of pharmacology at Hershey, has been elected for a two-year term as president of the American College of Clinical Pharmacology. He previously served as vice president of the organization.

Dr. Ruth L. Pike, professor emerita of nutrition science, has been named to Hunter College's Hall of Fame. A Hunter alumna, she was a faculty member at Penn State from 1943 to 1976. Her research on physiological adjustments during pregnancy, specifically on the effects of low sodium diets, earned her a Borden Award.

Dr. James B. Bartoo, dean of the Graduate School, has been elected chairman of the Council of Academic Deans. He will assume office July 1, serving for one year. Dr. Stuart Forth, dean of the Libraries, was reelected vice chairman.

George M. Gerhart, dean of student affairs at Shenango Valley, has been installed as president of the Pennsylvania College Personnel Association.

J. Ross Somerville is spending three months at Patter Library as a visiting assistant librarian, working with the Pacific collection in the Rare Books Room. Mr. Somerville, who assisted with the compilation and preparation for publication of the New Zealand National Bibliography, pre-1890 imprints, has recently been working on the compilation of the current New Zealand National Bibliography at the Alexander Turnbull Library in Wellington. He holds a B.A. degree in modern languages from the University of Otago (New Zealand) and a post-graduate diploma from the New Zealand Library School.

Dr. James E. Van Horn, associate professor of family sociology extension, has received the International Year of the Child Recognition Award from the U.S. Department of Health, Education and Welfare "in recognition of outstanding commitment to children." Dr. Van Horn is one of Pennsylvania's appointed delegates to the White House Conference on Children and is chairman of the Statewide Planning Group and project director for the Pennsylvania Forum on Families.

At the invitation of the Council of Graduate Schools, David L. Young, professor and head of landscape architecture, this month served as an external reviewer for the Master of Landscape Architecture program at the University of Georgia.

Dr. Robert Arbuckle, director of the New Kensington Campus, has been elected president of the Board of Directors of the Southwestern Pennsylvania Higher Education Council, Region 8. The Council represents 49 institutions of higher learning and addresses such issues as

programming, faculty exchange and staff development.

Dr. Robert K. Murray, professor of American history, was recently named Western Kentucky University's Distinguished Lecturer for 1980 and presented three lectures at the University's Bowling Green campus. The first was on his latest book *Trapped!*; the second dealt with "The Uses of History"; the third was titled "Rating the Presidents: Performance vs. Image." Dr. Murray on May 2 also gave the banquet lecture for the annual convention of the Federated Historical Societies of Pennsylvania.

Dr. Michael A. Smyer, assistant professor of human development and associate chairman of the Gerontology Center, is one of 15 U.S. scholars chosen to receive a 1980 Research Fellowship in Applied Gerontology from the Gerontological Society, Washington, D.C. The Society's fellowship program is supported financially by the Administration on Aging, Dept. of Health and Human Services. Dr. Smyer, in collaboration with the Pennsylvania Dept. of Aging, will study policy regarding family support of older adults.

C. Herbert Wheeler, professor of architectural engineering, has been appointed the permanent secretary for the newly established Professional Development Group of the Union Internationale des Architectes. The UIA, founded in 1948 to unite architects of all countries, sponsors working groups in the fields of housing, urban planning, education, public health, work places, and the newly established area of professional development. Prof. Wheeler will attend the meeting of the UIA College of Delegates in London this June as a member.

Ron Gallas, assistant professor of art, is one of 10 artists nationwide to be selected for participation in the University of Notre Dame's 1980 Summer Ceramics Workshop. During his two-week residency at Notre Dame, Mr. Gallas will work as an artist and present a slide lecture about his work.

Dr. Harold R. Sargent, director of the Shenango Valley Campus, has been invited to present a paper in July at the Sixth International Conference on Improved University Teaching in Lausanne, Switzerland. Dr. Sargent's presentation will deal with the theoretical implications of demographics related to future collegiate enrollment patterns.

Dr. Donald J. Willower, professor of education, spoke on "Research in Educational Administration" at a Rutgers University seminar. He also discussed his studies of schools as social systems at the first National Graduate Student Research Seminar, which was held in Boston under the sponsorship of the National Institute of Education and the American Educational Research Association.

Ernest R. Weidhaas, Engineering's assistant dean for Commonwealth Campuses, has been elected chairman of the Technical College Council (TCC) of the American Society for Engineering Education. The TCC consists of representatives from each ABET-accredited (Accreditation Board for Engineering and Technology) university and institution conducting engineering technology programs.

Promotions

Staff Non-Exempt

Susan D. Bird to junior data documenter in Management Services.

Clerical

Catharine B. Hess to secretary C in Agriculture.

Barbara Shulman to secretary C in Earth and Mineral Sciences.

Sherri L. Wheeland to data preparation operator B in Management Services.

Technical Service

Donald E. Gummo to utility analyst in Physical Plant.

Keith McWilliams to cement finisher in Physical Plant.

Brian K. Patrick to mechanic, metal shop at Hershey.

Randall K. Pott to refrigeration technician in Physical Plant.

Rebecca A. Wealand to operating room assistant at Hershey.

25-year chair



Harvey M. Jensen, associate professor of engineering research at the Applied Research Laboratory, is celebrating his 25th year at the University. A graduate of Iowa State University, Professor Jensen worked as a test engineer for Commonwealth Edison in Chicago before joining ARL in May 1955. He became an assistant professor in July 1962 and assumed his present rank in 1965.

During his years at ARL, he has supervised the development of several major engineering projects from the initial concept of system design through construction, testing, and final evaluation. At present, he is responsible for the analysis and evaluation of experimental measurements and computer simulation with the Development Engineering Department. He holds two patents relating to steering control of torpedoes and has served on several committees appointed by the Department of the Navy to evaluate major underwater systems and test programs.

Professor Jensen is the father of three sons, all of whom are Penn State alumni.

Funding Sources

For further information, call 865-1372

(336-31) NSF International Travel Grants are available to professional societies and nonprofit organizations including universities, to coordinate participation of U.S. scientists in international meetings held abroad. Individual applications are accepted in special circumstances. The deadline is July 1. Contact Mrs. Mildred Basilev (202-337-9505). Ref. OFF July Deadlines

(336-32) Public (Faculty) Advisory Committees are used for council and advisory by government and private agencies as scientific review groups to determine the scientific merit of research grant applications. Faculty expertise is needed for these tasks, which provide a good way to develop contacts with professional scientists and to learn about their program needs. Details are available by calling this column's contact number.

INTERCOM is an internal communications medium published weekly during the four terms of the class schedule for the faculty and staff of The Pennsylvania State University.

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News in Brief

(Continued from page 1)

present search was undertaken last year when Dr. Joseph Giusti resigned as director on July 1 to become chancellor of Indiana-Purdue University at Fort Wayne.

Mr. Otto held a variety of positions in the New Castle Area School System from 1961 to 1966. He served as a math teacher, guidance counselor, athletic business manager and teacher in the evening adult program.

During this time, he also was an evening school administrator at the Penn State Continuing Education Office in New Castle and, later, the Shenango Valley Campus service area.

In 1966, Mr. Otto became an assistant district administrator at the Behrend Campus. In 1968, he was appointed assistant director for Continuing Education at the Beaver Campus.

University's contribution to TIAA to rise

On behalf of each faculty or staff member who belongs to Teachers' Insurance and Annuity Association (TIAA) retirement program, the University makes a contribution which by law is determined each year by the State Employees' Retirement Board, based on an actuarial evaluation.

From July 1, 1979, through June 30, 1980, the amount of the University's contribution has been 7.85 percent. That amount will be increased beginning July 1, 1980, to 7.90 percent of salary.

Faculty and staff members will continue to contribute 5 percent of salary.

Libraries announce term break schedule

The University Libraries will adhere to the following schedule during the Spring Term break.

Pollock Library is closed for term break. Today (May 22) the other libraries will close at 7 p.m. On Friday, the hours will be 7:45 a.m. to 5 p.m.

The libraries will be closed for Memorial Day weekend Saturday, May 24, through Monday, May 26, but will be open Tuesday, May 27, through Friday, May 30, from 7:45 a.m. to 5 p.m.

The libraries will be closed for the weekends of May 31-June 1 and June 7-8.

They will be open Monday, June 2, through Friday, June 6, and Monday and Tuesday, June 9-10, from 7:45 a.m. to 5 p.m.

On Wednesday, June 11, the first day of classes, the libraries will resume regular summer hours, which are 7:45 a.m. to 10 p.m. Monday through Thursday; 7:45 a.m. to 9 p.m. Friday; 7:45 a.m. to 5 p.m. Saturday; and 1 p.m. to 10 p.m., Sunday.

No INTERCOM next week

INTERCOM will not appear on May 29. Publication will resume June 5, and the Summer Term Calendar will be published in the issue of June 12.

Terrace Room to remain open for lunch during break

The HUB Terrace Room will remain open for lunch and dinner through Friday of this week. Lunch will be the only meal served from Tuesday, May 27, through Friday, May 30, and from Monday, June 2, through Friday, June 6. The HUB will be closed the weekends of May 24-26, May 31-June 1, and June 7-8. Regular service resumes Monday, June 9.

Employees urged to be watchful for bees' nests

The approaching "bee season" means several things for University personnel, according to H.O. Triebold Jr., manager of Safety Services.

The location of bees' nests should be reported to foremen and supervisors. The Department of Entomology is interested in collecting bees and, if contacted at 865-

1895, will have the nests safely removed. Landscaping and painting personnel should be particularly attuned to spotting bees' nests.

"In addition," Mr. Triebold says, "employees who are allergic to bee stings should be certain that their foremen or supervisors are aware of this fact. In the event such employees are stung, they should be taken immediately to a physician. Also, persons who require prescribed medication for bee stings should have it with them at all times."

Instructor sought

The Management Development Services unit of Continuing Education is seeking someone to teach in supervisory training and management development. Qualifications must include teaching experience in management and a minimum of five years of management experience in functional areas such as engineering, production, marketing, industrial relations, or human resources development. Minimum educational qualifications are a master's degree in business administration or doctorate in speech communication, industrial engineering, or industrial psychology. ABDs will be considered. Moderate travel is required in the position, which is available July 1. Salary and academic rank commensurate with qualification. Please apply by May 30 to Employment Division, Room 117 Willard Building, The Pennsylvania State University, University Park, PA 16802.

Sorbonne librarian visits

The University Libraries' established expertise in computerized lending operations attracted a visit from a representative of the Sorbonne, Madeleine Paulian, who visited Pattee recently to review its computer efforts. The Sorbonne is preparing to establish automated lending services in its library.

Under a grant from the Franco American Commission for Education Exchange, Mlle. Paulian is also visiting libraries at Northwestern University, the Universities of Michigan and Illinois, Michigan State, Columbia, Yale, and the Library of Congress.

Subjects needed for physiology study

Male faculty and staff members are needed for the completion of a physiology research project assessing heart exchange efficiencies in individuals of different body types. Applicants should be between 18 and 40 years old, inactive and overweight.

Individuals will receive complete physical fitness and body composition assessments and, following the study, will be given an exercise prescription. Interested persons should phone Jim Bell, a doctoral student in physiology, at 865-3453 between 2-5 p.m. weekdays.

Fly Fishing workshops offered

Penn State's always popular Fly Fishing Workshops will be offered this year on May 31 and June 21. Participants will hear Joe Humphreys, assistant professor of physical education, discuss water temperature and stream strategy, while demonstrating casting and angling techniques and how to build a leader and tie the basic knots. Individualized instruction will be offered at Fisherman's Paradise.

Each one-day workshop will begin with an 8 a.m. breakfast meeting, and the remainder of the day will be spent at Fisherman's Paradise. Enrollees will need fishing gear and a 1980 Fishing License.

Additional information is available from Continuing Education (865-3443).

Outdoor pool opens

The outdoor pool will open its 1980 season for University students, faculty/staff members and their families on Thursday, May 22, according to L.D. MacNeill, director of aquatics. The daily hours will be 10:30 a.m. to 6 p.m.

The regular summer schedule, with daily hours from 10:30 a.m. to 8 p.m. will begin on Friday, May 30.

Admission to the pool is \$1 per person per day, but members may purchase special rate swim tickets for \$10—allowing 15 swims. The guest fee is \$1 per person daily and all guests must be college age, except when the pool is open for members and their families. Children under 18 must be accompanied by an adult who must remain with them.

Varied fare for a Nittany Summer

A wide array of summer entertainment, ranging from pianist-comedian Victor Borge and the Ohio Ballet to country-blues singer Crystal Gayle, will be offered during this year's Nittany Mountain Summer Festival.

The season will open June 28 with the venerable Mr. Borge. His current show, "Comedy with Music," incorporates gags, skits, musical joking and, of course, some piano playing.

Blind folk guitarist Doc Watson will bring his group to University Park on July 11. He will be accompanied by his son, Merle, and singers Mary McCaslin and Jim Ringer.

Jazz and ragtime, rhythm and swing as played by the New Orleans Ragtime Orchestra are scheduled for July 12. The group's repertoire includes marches, cakewalks, waltzes and blues by such composers as Scott Joplin and Louis Armstrong.

Ms. Gayle, who appears July 18, was chosen as the 1977 and 1978 Outstanding Female Vocalist by the Academy of Country Music and the Country Music Association.

Under the artistic direction of Heinz Poll, the young dancers of the Ohio Ballet will come to Eisenhower Auditorium on July 26.

In addition, Fred Waring and the Young Pennsylvanians will be in residence at Penn State this summer as members of the Fred Waring Choral Workshop staff. Special concerts featuring the workshop members will be presented at the end of each of the three workshop sessions on July 3, 4, 24, and 25 and August 7 and 8.

Brochures and ticket order forms may be obtained by calling (814) 863-0255 weekdays from 9 a.m. to 4 p.m. Out-of-town patrons may call collect. Phone orders on Master Charge and Visa may be placed by calling the above number starting June 3. The Eisenhower Auditorium box office opens Tuesday, June 10. Box office hours are 9 a.m. to 4 p.m., Monday through Friday.

Calendar May 22- June 3

Special Events

Thursday, May 22

Final examinations.

Outdoor Pool open daily, 10:30 a.m.-6 p.m., through May 29.

Mathematics seminar, Jerome Keisler, Univ. of Wisconsin, on "When Are Two Stochastic Processes the Same?" 4 p.m., Room 103 McAllister.

School of Music seminar, William S. Newman, emeritus prof. of music, Univ. of North Carolina/Chapel Hill, on "Performance Practices in the Music of Beethoven," 7 p.m., Room 115 Music 8ldg. Seating limited, phone 865-0431 for reservations.

Friday, May 23

Adult Education Brown Bag luncheon, noon; discussion on "Adult Education in Third World Nations," 12:25 p.m., Room 101 Kern.

Residence Halls close for Spring Term, 3 p.m.

Saturday, May 24

Shaver's Creek Nature Center, Dr. Paul Risk on "Wilderness Survival and Edible Plants," 2-4 p.m., Stone Valley.

Sunday, May 25

Shaver's Creek Nature Center, Spring "Things" walk, 2-3 p.m., Stone Valley.

Monday, May 26

Memorial Day observed, University offices closed.

Thursday, May 29

Board of Trustees meeting, Keller 8ldg.

Friday, May 30

Board of Trustees meeting, Keller 8ldg.

Outdoor Pool open for Summer, daily, 10:30 a.m.-8 p.m.

Saturday, May 31

Commencement, 10:30 a.m., Beaver Stadium. Governor Richard Thornburgh, speaker.

Old Main Tower open, noon-5 p.m.

Monday, June 2

Applications for faculty study spaces in Pattee Library for Summer Term taken, 7:15 a.m., Room 106 Central Pattee. Information, 865-5420.

Tuesday, June 3

University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

Exhibits

HUB Galleries: Jeanne Stevens Sollman, ceramic sculpture, The Gallery.

Kern Gallery: Matt Reitz, glass, through May 23.

Museum of Art: selected works from the permanent collection, opens May 25; Diane Pepe, recent work on paper, through June 1; highlights from the permanent collection, through June 8; European posters (1895-1930) from the permanent collection.

Pattee Library: Patricia O'Connor, paintings, through May 30, East Corridor Gallery; Dennis Aumiller, photographs, through May 30, Lending Services Lobby.



Coaching offers way to help influence young people

For the next four months, when Old Main tolls 5 and most University administrators are heading home for dinner, Leonard "Len" Brush, associate director for the Office of Planning and Budget, will be on his way to the baseball field.

He's not an over-eager fan of some local team. Mr. Brush is simply trying to be on time for the dozen or more 14-16-year-old youngsters who depend on him as their baseball coach.

He has kept up this seasonal routine, which includes three games and two practices each week, since coming to Penn State in 1969. Aside from being a team manager, he is vice president of the State College Teener League.

The desire to see his two sons play ball and to make friends in a new town provided the incentive for Mr. Brush to begin coaching in 1969. He followed his sons through the Pee Wee League, Little League and Teener League, but when his boys grew out of Teener League, Mr. Brush stayed on.

"I had no intention of becoming so involved 11 years ago," he recalls. "But the baseball program soon grew to be a hobby — an enjoyable, rewarding way to expend my extra energy."

During those 11 years, Mr. Brush says he discovered that community athletics are a "built-in magnet" for getting to know people in the community.

"For this community, baseball is really another way to achieve town and gown relations," he says. "The businessmen and



Mr. Brush "rallies his troops" at a practice.

women and parents provide the financial impetus, supplying uniforms and equipment as well as coaching; and I've seen quite a few prestigious faculty members out there on the field with the kids — and not just their own kids."

Even more important, he adds, is the opportunity the youth baseball program has given him to be a teacher and "second father," as well as a coach with responsibility for having a strong influence on young lives.

"When you walk out onto the field that first day, you discover you're dealing with much more than a bag of equipment and a list of names — 15 to 20 wide-eyed little faces help you realize that."

"From then on, you've got to be aware that each player is an individual with special sensitivities, talents and goals. The reward is often working with the young person who's not at the top of the talent heap, but who may 'get it all together'.

even if it's during the last game of the season.

"While you do everything reasonable to win," Mr. Brush continues, "it's more important for the youngsters to realize that it's not the actual winning but achieving a winning, positive attitude about yourself, first, that really counts."

Apparently Mr. Brush has discovered a way to convey that winning attitude to the players he's coached. His record includes about 200 wins, 90 losses and 7 league championship titles within the last 10 years in three separate youth baseball programs.

When he is not on the baseball field or in

Old Main developing computer-based information systems in the Office of Planning and Budget, Mr. Brush manages a little time to spend with his wife, Liz, and their five children, Kathy, Vicki, Vince, Terry and Tammy, aged 16 through 22. Kathy is a sophomore at State College High School; Vicki is a senior and will attend Penn State in the Fall; Vince is a second term student and member of the Behrend College baseball team; Terry is a tenth term student and member of University Park's baseball team; and Tammy will graduate from Penn State this month.

"Organized youth baseball has come a long way since my childhood days when team t-shirts with patches were big stuff," Mr. Brush notes. "But the excitement of winning, the learning and growing that comes with losing don't change. As a coach, you can simply bring new meaning to those boyhood experiences."

Dr. Stere

(Continued from page 1)

one of the few teachers who will give them my home telephone number. One of my anatomy students used to call me regularly each Saturday morning at 8:30 a.m. Saturday is the only morning I have to sleep late, so at first I was a little annoyed. Then I thought, 'If that girl is self-disciplined enough to get up and study on Saturday mornings, I can give up some sleep to help her.'

A former student, writing back to the University, noted: "It has been years since my graduation from the Pennsylvania State University, yet I still feel obliged to maintain personal contact with Professor Stere. If ever there was an outstanding teacher and student friend, it is Athleen Stere."

Professor Stere, a Boston native, received her undergraduate education at Bryn Mawr College and then earned a master's degree at Radcliffe. For two years, she was a teaching fellow at Harvard University, going on to hold research assistantships at the Boston University School of Medicine and Albert Einstein Medical Center in Philadelphia. She completed her Ph.D. at Penn State in 1971, her research centering on cell physiology and the effects of oxygen deprivation on the heart muscle.

Her teaching career at Penn State began in 1963 when she joined the faculty at University Park as a research assistant, moving to the Altoona Campus in 1971. At University Park, she served as the coordinator for Biology 437, Animal Histology, and prepared the laboratory manual used for 14 years in that course. With Professor Adam Anthony, she initiated two new biology courses, Biology 538, Microscopic Histochemistry, and Biology 539, the Analytical Histochemistry Laboratory. She also prepared a laboratory manual for the latter course.

Increasingly, she notes, she has begun to counsel women students who come to her to discuss the problems they may encounter in trying to combine a career in science with marriage and a family.

Dr. Stere has managed to do this herself. She is the mother of three children, two of whom, David and Deborah, are Penn State alumni. The youngest, Robert, will begin at the Altoona Campus next Fall.

Dr. Henszey (Continued from page 1)

once a year, but enrollments were so high that it is now given three times annually. Dr. Henszey has co-authored a text for the course because he could not find one that suited him.

He also co-authored *Introduction to Basic Legal Principles for Business Law* 2413, with Professor Myers and Professor Reed T. Phalan.

A graduate State native and a 1961 graduate of Williams College with a major in English, Dr. Henszey was graduated from Dickinson Law School with a J.D. degree. He has authored numerous articles for professional journals and, having completed all the requirements for the M.L.T. degree (Master of Law and Taxation) at Georgetown Law School, is scheduled to graduate later this month. Before joining the faculty as a part-time instructor in 1970, he practiced law for two years and accounting for three.

Asked to describe his method of teaching, he explains:

"To me the challenge lies in finding ways to state things clearly and simply. I teach through repetition. I try to make my lectures so clear and well ordered that the students can learn all they need to during class hours."

"At the same time, I want my lectures to interest and stimulate those students who

thought they wouldn't like the subject but were required to take it. I think students feel comfortable with me as a person after they get to know me; I have an open door policy, and I never turn anyone away."

Dr. Henszey's theories on teaching are borne out by student evaluations.

"Professor Henszey's presentation of the material is systematic and logical, which makes learning the material very easy," one student wrote. "In addition, his presentation helps aid in retention. Dr. Henszey emphasizes important points which many students might have overlooked."

Students also appreciate the opportunity for discussion in his classes. "Open class discussion was common," one student wrote. "Usually several students would lead the discussion of cases, having been instructed to prepare them in advance, in much the same way that law school students do. I felt that while this format required more advance work on our part, I had developed a greater understanding of the material than it had been presented in lecture format."

Dr. Henszey sums up: "The important thing is to enjoy what you do. If you do, you'll be good at it, and students will feel your enthusiasm."

Staff Vacancies

The following vacancies for positions classified as staff management or staff nonmanagement have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 07-1387). Applications for these staff vacancies will be accepted until 5 p.m., May 25, 1980. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

COLLEGE HEALTH NURSE — OUTPATIENT SERVICES, UNIVERSITY HEALTH SERVICES, University Park. Respond to Head College Health Nurse, Outpatient Services, for providing general nursing services and assisting licensed physicians and dentists in the Outpatient area. Graduate from an accredited nursing program or its equivalent and currently licensed in Pennsylvania as a registered nurse plus six to nine months of effective experience, required.

SUPERVISOR, COMPUTER CENTER OPERATIONS — COLLEGE OF MEDICINE, Hershey. Responsible for the supervision and coordination of the activities of employees involved in Computer Center operations. Supervises keyboard operators, control clerks, computer operators, etc., and for the day-to-day operations of the Medical Computer Center. Data processing school graduate with three to four years of effective experience in computer operations, peripheral and offline equipment operations, and in supervising personnel.

JUNIOR ENGINEERING AIDE — APPLIED RESEARCH LABORATORY, University Park. Responsible to the Project Engineer or designated Senior Engineering Aide for assistance in the fabrication, testing, installation, operation, and maintenance of non-standard electronic parts, components, and equipment. Associate's degree or equivalent in electrical engineering technology program, plus three months of effective experience. Position may require travel on field assignments, including assignments aboard ships at sea.

ENGINEERING AIDE — APPLIED RESEARCH LABORATORY, University Park. Responsible to the Project Engineer or Senior Engineering Aide for the design and layout of routine electronic circuitry. Assist with the conduct of tests with the collection, compilation, and analysis of data. Associate's degree or equivalent in electrical engineering technology program, plus two to three years of effective experience in the design and fabrication of experimental equipment. Position may require travel on field assignments, including assignments aboard ships at sea.

Festival Theatre to mount four shows

For its 23rd consecutive season, Penn State's Festival Theatre will present four professional productions — *The Good Doctor*, *Pal Joey*, *Ah Wilderness!* and *Can't Help Loving' Dat Kern*.

Neil Simon's adaptation of Chekov, *The Good Doctor*, will be the first offering, playing in the Pavilion Theatre June 19-22, 24-29 and July 1-6. The master of Broadway comedy has fashioned a play with contemporary meaning based on characters created by the great 19th century Russian dramatist and storyteller.

Gene Kelly created the title role in *Pal Joey*, the musical written by Richard Rodgers, John O'Hara and Lorenz Hart. Frank Sinatra starred in the movie version. It is scheduled for *The Playhouse* June 26-29, July 1-6 and 8-13.

Eugene O'Neill's comedy, *Ah Wilderness!*, will run in the Pavilion

Theatre July 17-20, 22-27, and July 29-Aug. 3. Set in 1906, this early work by America's greatest playwright is his only comedy.

Festival 1980 will close with *Can't Help Loving' Dat Kern*, a musical based on works by Jerome Kern. It will be mounted at *The Playhouse* July 24-27, July 29-Aug. 3, and Aug. 5-10.

Subscriptions to the Festival Theatre, which is produced through the Department of Theatre and Film, are now on sale. Purchasing a season's subscription will save the buyer 20 percent on the four shows.

While window sales at the Festival Box Office in *The Playhouse* lobby will not begin until May 27, subscriptions may be ordered now either by calling 865-1884 or by writing Festival 1980, Room 137 Arts Building, University Park.



Dean Scannell

Scannell to head new Continuing Ed, Campus system

Dr. Robert J. Scannell, for the past 10 years dean of the College of Health, Physical Education and Recreation, has been named vice president and dean of the new University-wide System of Continuing Education and Commonwealth Campuses, effective July 1.

His appointment was approved by the University's Board of Trustees at its May 29-30 meeting.

Dr. Scannell, in his new assignment, will oversee the integration of formerly

separate administrative units for Penn State's Commonwealth Campuses and Continuing Education.

In announcing Dr. Scannell's appointment, President Oswald said: "Dr. Scannell's familiarity with the various Penn State campuses and his outstanding record as an administrator make him eminently qualified for this challenging new position. He has served the University well, both in his duties as dean and on a number of high-level, ad hoc committees dealing with a variety of

problems of vital importance to the interests of the University."

Integration of Continuing Education and the Commonwealth Campuses resulted from a recommendation of the Steering Committee involved with compiling *A Perspective on the '80s*. The report noted that "new demands of the '80s suggested that greater coordination and integration of the two units are desirable."

The President and Provost were charged by the Board of Trustees with

(Continued on page 4)

June 5, 1980 Volume 9, Number 36

Penn State Intercom

From the Trustee Docket

Operating budget adopted

The Trustees adopted an operating budget for the fiscal year 1980-81.

The budget is based on the appropriation level for Penn State as recommended by the Governor and expected to be acted upon shortly by the legislature. The appropriation increase would be \$6.922 million or 5.8 percent.

The gap between what Penn State requested and the appropriation recommended by the Governor is approximately \$14.5 million. To close the gap, President Oswald explained, several difficult measures have been taken.

"First of all," he said, "the University, in a continuing effort, has made internal reductions and reallocations of \$2.2 million for the next fiscal year, bringing the 10-year total to more than \$23.4 million.

"The University also will forego about \$2.6 million in essential expenditure increases related to inflationary cost increases."

On the income side, he continued, the University has added \$1.2 million to its budget from increases in indirect cost recovery and investment income, and nearly \$1.4 million from enrollment changes.

On the expenditure side of the budget, the largest amounts by far are devoted to appropriate salary adjustments for faculty members and staff, and for related staff benefits.

As is noted in the Trustee docket: "The University has placed the highest possible priority on salary adjustments for faculty and staff members in a period of high inflationary pressure. The recommended salary adjustments for all employees not covered by negotiated contracts represent an approximate 9 percent increase over the 1979-80 filled salary base. Portions of these funds will be used for basic salary increments, for merit increases, and for promotions.

Some additional funds have been provided, (1) where extreme market conditions exist; (2) for certain individual equity considerations; and (3) as part of a long-range effort to correct differences that exist between our Commonwealth Campuses plus Behrend College and respective branches of other comparable public universities. The overall 9 percent increase in the salary budget base, however, does not constitute an automatic percent increase for any individual or group of employees."

Dr. Oswald further noted that, in the budget request submitted initially to the

State last September, the University acknowledged the necessity of students sharing to some degree with the State the increased costs of education. Therefore, at that time, a 5 percent increase in tuition was proposed.

It is apparent now that an additional 5.5 percent increase in tuition is necessary to entirely close the gap, he said, adding: "The additional tuition income provided

Is your vision card in?

Faculty and staff members are reminded that the deadline to complete and return their Vision Card enrollment cards to the Employee Benefits Division, Room 133 Willard Building, is tomorrow, June 6.

The cards were included in packets which were mailed to all participants in the benefits program. All — repeat ALL — cards should be returned, even if dependent coverage is not being elected under the program.

only a portion of funds needed to make up the gap between the State appropriation and the amount requested.

"The tuition increases were as low as we could make them in view of the high inflation affecting us this year."

Effective with the Fall Term at the University Park campus, undergraduate students who are Pennsylvania residents will pay \$156 more a year for tuition, an annual increase from \$1,485 to \$1,641. At the Behrend College and other Penn State campuses, the increase will be from \$1,281 to \$1,416. Tuition at the Capitol Campus will be increased by \$153, to \$1,593 a year.

The tuition increase for out-of-state undergraduate students at all locations will be \$315 to \$3,297 per year.

In-state graduate students will pay \$168 more at University Park and \$153 more at all other locations. Out-of-state graduate students will pay \$348 more per year at all locations.

The rates for in-state graduate students will be \$1,749 at University Park and \$1,593 at all other locations. Out-of-state graduate students will pay \$3,498 at all campuses.

Annual tuition rates are based on full-time attendance for three of the four annual terms.

Tuition for in-state students at The Milton S. Eisenhower Medical Center will remain at \$5,550 per year. Out-of-state medical students will continue to pay \$8,670.

"Medical students experienced a 25 percent tuition increase last year," Dr.

Oswald said. "As a result, Penn State's current tuition level for medical students is among the highest in the nation for public medical schools."

Graduate students at Hershey will pay University Park rates.

The University's general funds portion of the operating budget totals \$238 million. Funded primarily by State appropriations and student tuition, it supports the University's basic programs of teaching, research and public service.

No State or tuition funds are used to support the Hershey Medical Center Hospital or auxiliary enterprises such as residence halls, food service, intercollegiate athletics and the book stores. All are self-supporting.

Of the total Medical Center operating budget of \$85,433,000, only 4 percent comes from State funds.

The total University operating budget for 1980-81, including the general funds portion, as well as all auxiliary enterprises and estimated research grants and other funds, is \$443 million. This is an increase of about 8 percent over last year's figure of \$410 million. A total of \$127 million would come from State appropriations.

Should the final appropriation be different than the amount recommended by the Governor, said Dr. Oswald, the budget will be revised accordingly and returned to the Trustees for their approval.

Consent decree discussed

The University's Trustees discussed the use of a consent decree between the University and the State Department of Environmental Resources for completion of a sewage treatment project at University Park.

The consent decree, to be submitted to the Commonwealth Court, provides for construction of a piping system to dispose of treated sewage by spraying it on Penn State-owned game lands in Centre County.

The spraying technique, developed by Penn State researchers, has been approved by federal and State environmental agencies and would bring the University sewage system into legal compliance, according to Robert A. Patterson, senior vice president for finance and operations.

"A low bid of \$3,774,663 was received on the construction," Mr. Patterson told the Board of Trustees. "This is lower than was estimated."

"To take advantage of the favorable bids, it has been possible for the University officers to arrange a plan with the special assistance of the Commonwealth of Pennsylvania for construction of this facility from Commonwealth funds, including \$1,134,000 available from an earlier phase of the project, plus escrow and escalation funds."

(Continued on page 3)



Dr. Klevans

Klevans named Faculty Senate chairman-elect

Dr. Edward H. Klevans, professor of nuclear engineering, has been selected chairman-elect of the Senate.

Other faculty members elected by the Senate membership in last month's balloting include:

Secretary: Dr. Nancy M. Tischler, professor of English and humanities at Capitol Campus.

Faculty Advisory Committee: Richard L. McCarl, biochemistry; Irwin Feller, economics, to fill the term vacated by Dr. Klevans.

Faculty Rights and Responsibilities: University Park, Arthur E. Goldschmidt, history, member; Donald M. Crider, rural sociology, alternate. Other than University Park, William L. Emkey, physics, Allentown. Deans, Eugene J. Kelley, business administration, member; Robert J. Scannell, HPER, alternate.

Standing Joint Committee on Tenure: Mary McCammon, mathematics, member; Russell A. Reed, chemistry, Berks, alternate.

University Promotion and Tenure Review Committee: Ronald L. Filippelli, Libraries; Robert F. Schmalz, geology; John Kolesar, engineering, Wilkes-Barre.

Dr. Klevans, a member of the faculty since 1966, is serving his second term in the Senate. He has been chairman of the Intra-University Relations and Faculty Affairs Committees and is an elected member of the Faculty Advisory Committee. He was also a member of the Provost's Advisory Committee on Planning and Budget.

An electrical engineering graduate of Penn State, Dr. Klevans earned his master's and doctorate in nuclear engineering from the University of Michigan. His research, conducted with support from the U.S. Department of Energy, focuses on the controlled fusion process, and he is a recipient of the Glenn Murphy Award of the American Society of Engineering Education for his contributions as a nuclear educator.

Penn Staters

Dr. Richard C. Bradt, professor of ceramic science and engineering and head of the Department of Materials Science and Engineering, has been chosen as the 1980 U.S. recipient of the Richard M. Fulrath Award, a U.S./Japanese-sponsored citation. Dr. Bradt is being recognized for his work on the relationship between the structure and mechanical behavior of ceramic materials.

Inaugurated in 1978, the Fulrath Awards annually honor both U.S. and Japanese ceramic scientists. Dual symposia are held in Japan and the U.S., with the awardees serving as speakers. Dr. Bradt will make technical presentations at symposia held in conjunction with an American Ceramic Society meeting in San Francisco in October, and a meeting of the basic science division of the Japanese Ceramic Society in Nagoya in January.

Administered in the U.S. by the Department of Materials Science and Mineral Engineering at the University of California, Berkeley, and by the Northern California Section of the American Ceramic Society, the Fulrath Awards were established by a U.S.-Japanese committee. They honor the late Professor Richard M. Fulrath, a member of the Berkeley faculty, who made many contributions, in both the U.S. and Japan, to the study of technical ceramic materials. He died in 1977.

Dr. Bradt is co-editor of five volumes of proceedings of international symposia on the structure and mechanical behavior of ceramic materials. He has published more than 100 research papers with students and colleagues, and has advised or co-advised nearly 50 graduate students in their research.

A member of the Penn State faculty since 1967, he received his B.S. in metallurgy from the Massachusetts Institute of Technology and his Ph.D. in materials engineering from Rensselaer Polytechnic Institute.

Dr. Alegria Bendelac, assistant professor of French at Schuylkill, received two summer seminar awards from the National Endowment for the Humanities. She will participate in "The Novel in History" seminar, offered by Columbia University. A member of the Schuylkill faculty since 1976, Dr. Bendelac previously taught at Fordham. She is the author of two volumes of poetry, one of which, *Tourmaline*, won the Prix Blaise Cendrars in France.

Retirements



Louis E. Silvi, special assistant to the vice president for business since August 1977 and formerly general manager of The Nittany Lion Inn, will retire June 30 after more than 25 years of service.

Mr. Silvi, a native of Massachusetts, received an associate degree in hotel and restaurant arts at City College of San Francisco and a B.A. in business administration from Denver University. During World War II, he served in the European Theatre with the U.S. Army. Before coming to Penn State, he held administrative positions at Mountaintop Country Club in

Three new deans are appointed



Dr. Love



Dr. McAlexander



Dr. Cahir

Dr. Gene M. Love, professor and head of the Department of Agricultural Education, has been named associate dean for resident education in the College of Agriculture, effective July 1. He succeeds Dr. Jerome K. Pasto, who is retiring June 30.

Dr. Love, who earned his bachelor's, master's and doctoral degrees at Penn State, has been a department head since 1975. Before coming to the University, he was coordinator of agricultural education programs at the University of Missouri-Columbia for nine years. Earlier he served on the agricultural education faculty at Penn State and on the Stanford University faculty while on assignment in the Philippines. He also taught agriculture in high schools and is a veteran of the U.S. Air Force.

In 1979, he received the Distinguished Service Award of the American Association of Teacher Educators in Agriculture, of which he is a past president. In 1971, he earned the Education Research Award of the American Institution of Cooperation.

Dr. Robert H. McAlexander, coordinator since 1968 of international agricultural programs, has been promoted to assistant dean and director of international agricultural programs. Dr. McAlexander will be responsible for development and coordination of international programs conducted by the College of Agriculture. Penn State agricultural researchers and specialists are involved in projects in Uruguay, Kenya and Sri Lanka.

A member of the Penn State faculty since 1956, Dr. McAlexander is also professor of farm management. He earned his B.A. in mathematics in 1943 at State Teachers College in Peru, Neb. After serving three years in the U.S. Air Force weather service, he graduated from Iowa State College in 1949 with a B.A. in agricultural education. He was awarded the M.S. in agricultural economics from Oregon State College and the Ph.D. from Iowa State. Prior to joining the Penn State faculty, Dr. McAlexander held positions at Iowa State and Oregon State.

He is the author of numerous scientific articles in the areas of agricultural economics and international agriculture. His research has included the economics of forage crop irrigation, pasture improvement and land renovation, mushroom production, poultry production and enterprise combinations on Pennsylvania farms.

Birmingham, at the Lido Restaurant and Latham's Inn on Cape Cod, and at the University of Kansas Student Union.

In addition to his duties at the Inn, he served as a part-time instructor for the Department of Hotel and Restaurant Administration, administering practicum courses for students and lecturing.

Mr. Silvi has been active in many civic, fraternal and professional organizations and intends to continue to pursue consulting work for colleges and private industry, particularly in connection with facilities design and production techniques for food service.

A cocktail buffet will be held in his honor on Saturday, June 21, from 6:30 to 9 p.m. in the Colonial Room of the Nittany Lion Inn. Anyone interested in attending may call 865-7633 for additional information.

Dr. John Cahir, professor of meteorology, has been named associate dean for resident instruction in the College of Earth and Mineral Sciences, effective July 1.

He succeeds Dr. E. Willard Miller, professor of geography, who will retire in June with emeritus rank after serving 35 years on the Penn State faculty.

Dr. Cahir, who received his B.S. in 1961 and his Ph.D. in 1971, both in meteorology from Penn State, joined the University faculty in 1965. He teaches courses in the areas of synoptic meteorology, climatology, and applications of satellites.

His research interests include application of minicomputer-based analysis methods to short-range weather forecasting; effects of cloudiness on the earth's radiation balance; and structure of small-scale circulations that produce cloud bands near fronts and jet streams.

In 1971, Dr. Cahir received his College's Wilson Teaching Award; in 1969, he was awarded the American Meteorological Society's Seal of Approval for Television Weather Forecasting; and last year, he received the Award for Outstanding Contributions to Applied Meteorology made annually by the National Weather Association.

He serves as an editor of *Monthly Weather Review*, published by the American Meteorological Society, and, for the past two years, has been chairman of the AMS Committee on Weather Forecasting and Analysis. He also has served on a National Academy of Science committee to evaluate the research program of the National Environmental Satellite Service, and a National Weather Association committee on automation.

He has been a member of Penn State's University Senate since 1973, serving on its Steering Committee for the *Perspective on the '80s* and the Task Force on Programs and Priorities for the Plan for the '80s. Other Senate groups he has served on include the Joint Presidential-Senate Committee on Remedial Education, the Joint Administration-Senate Committee on Insurance, the Ad Hoc Committee to Study the Implications of Collective Bargaining, and the Provost's Advisory Committee on Planning and Budget.

He is the co-author of two books, *Principles of Climatology and The Atmosphere*, and a number of articles, papers, and reports.

He has also appeared regularly on WPSX-TV's State of the Weather/World program.

Lucille Z. Brown is enjoying the Penn State rocking chair which her co-workers gave her at her retirement party.

An offset duplicator operator in Ag Communications, Mrs. Brown was a member of the staff from February 1962 until this April. While she operated the duplicator and other processing machines for the past 11 years, prior to that she worked in South and West Halls as a maid with the Department of Housing and Food Services.

Mrs. Brown's husband retired from the Fish Commission two years ago, and they plan to spend much of their time this summer in a trailer home they keep in Port Royal, where Mr. Brown enjoys fishing. The couple have a son, Gary, who graduated from Penn State in 1970 with a major in accounting.

Promotions Staff Exempt

Martha T. Driver to assistant director of undergraduate admissions in Undergraduate Admissions.
Barbara J. McKee to assistant extension agent in Agriculture.
Thomas M. Shea to admissions counselor II in Undergraduate Admissions.

Clerical

Carol A. Bresnock to senior correspondence secretary at Worthington Secretariat.
Baiba Briedas to secretary A in Liberal Arts.
Mary Jane Johnson to secretary B in Intercollege Research Programs.
Brenda L. Stroud to secretary C in Undergraduate Admissions.
Lisa M. Urban to clerk typist A in Agriculture.

Technical Service

James E. Dillen to stockroom inventory clerk in Science.
Chester M. Poorman to operator, centralized copy center in Business Services.
Franklin R. Straub Sr. to utility worker at Hershey.

Carpooler

Miriam Mackey, of Flemington (Phone: 748-5009), would like to car pool and is willing to drive to Lamar or Beech Creek to hook up with other riders. She works from 8 a.m. to 4:30 p.m. in Finlay Dining Hall.

Obituaries

Edgar E. Ambrosius, a professor of mechanical engineering from 1944 to 1969, died May 18 at the age of 76. Professor Ambrosius held B.S. and M.S. degrees from the University of Illinois and had taught at the Universities of Kansas and Oklahoma before coming to Penn State.

While at the University, he supervised the design and installation of the Department of Mechanical Engineering's Power Transmission Laboratory and in 1967 received the College of Engineering's advising award. His research centered around fluid flow measurement, and he was the co-author of two books. An active member of the American Society of Engineering Education, he served on that organization's Council from 1954-56.

Gerald A. Porter, a senior research aide in the College of Agriculture, died May 20. Mr. Porter held two Penn State degrees, a B.S. in agricultural education '59 and an M.S. in agronomy '61. He had been a member of the staff since 1965.

Molly E. Shannon, a counter attendant with Housing and Food Services from 1964 to her retirement in 1975, died May 23. A native of Sunbury, she was 69.

Helen M. Beir Lair, a food service worker with Housing and Food Services since Sept. 21, 1969, died May 21 at the age of 64.

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Calendar

June 6-15

Special Events

Friday, June 6

Office of Gifts and Endowments, Alumni Coffee Hour, 9:15 a.m., Fireside Room, Nittany Lion Inn.

Alumni Institute: panel discussion — five faculty members look at the 1960s; 10:30 a.m.; lectures, 2 and 3:30 p.m., Keller Conference Center. Free tickets, Keller Registration Desk.

Aethon String Quartet, 7 p.m., Fireside Room, Nittany Lion Inn. Limited seating.

Saturday, June 7

Alumni Assn., All Class Luncheon, 12:30 p.m., Rec Hall. Presentation of 1980 Outstanding Alumni Awards and Oswald Paw Medal; report by President Osland.

Sunday, June 8

Residence Halls open for Summer Term. University Chapel Service, 9:30 a.m., Eisenhower Chapel.

Monday, June 9

Orientation and Advising for Summer Term. International students' orientation, 2:30 p.m., Room 112 Kern.

Continuing Education registration, 4-8 p.m., Room 101 Kern.

Tuesday, June 10

Registration for 10 week Summer Term, 8 a.m.-5 p.m., IM Bldg.

Continuing Education registration, 9 a.m.-1 p.m., Room 101 Kern.

University Libraries orientation tours: Pattee — 9 and 11 a.m., 1 and 3 p.m.; Branches — undergraduate students, 10 a.m., graduate students, 2 p.m.

Wednesday, June 11

10 week Summer Term classes begin, 8 a.m.

Pre-registration forms for Fall Term accepted in Room 112 Shields, through July 9.

Drop/Add, 1-4 p.m., HUB Station.

University Libraries orientation tours: Pattee — 9 and 11 a.m., 1 and 3 p.m.; Branches — undergraduate students, 10 a.m., graduate students, 2 p.m.

Thursday, June 12

Drop/Add, 9 a.m.-4 p.m., HUB Station. Also June 13, 16 and 17.

University Libraries orientation tours: Pattee — 9 and 11 a.m., 1 and 3 p.m.; Branches — undergraduate students, 10 a.m., graduate students, 2 p.m.

Friday, June 13

Penn State Karate Club film, *Dirty Harry*, 7, 9 and 11 p.m., Room 111 Forum.

Saturday, June 14

France-Cinema, Herzog, *Nosferatu*, 7 and 9 p.m., Room 112 Kern.

Karate Club film, *Dirty Harry*, 7, 9 and 11 p.m., Room 111 Forum.

Explanazanga film, *Night of the Living Dead*, dusk, Fisher Plaza.

Sunday, June 15

Free U registration, 11 a.m.-4 p.m., Room 301 HUB.

Karate Club film, *Dirty Harry*, 7, 9 and 11 p.m., Room 111 Forum.

Exhibits

Chambers Gallery: Steven Devrin and Rome Hanks, photographs, Kevin Slick, Art Education graduate student, watercolors; Sally Benz, Art Education graduate student, baskets, all open June 11.

HUB Gallery: Jeanne Stevens Soliman, ceramic sculptures.

Kern Gallery: Mary McGuire, ceramics; John Lazebny, photographs, opens June 9.

Museum of Art: highlights from the permanent collection, through June 8; European posters (1895-1930) from the permanent collection; selected works from the permanent collection.

Pattee Galleries: Rose Shumskas, recent drawings, East Corridor Gallery; Sandy Copia, recent works, Lending Services; Sally Benz: "Founding a University: An Exhibit in Honor of The Pennsylvania State University's 125th Anniversary," Main Lobby, all open June 9.

Trustee docket

(Continued from page 1)

It will be the University's responsibility to construct and maintain research and monitoring equipment.

The sewage project was begun in 1968 under a State Capital Program. The first phase, completed in 1976, consists of a surge tank, a pumping system and a main distribution line from the University Park campus to the game lands.

The second phase — a finger system consisting of about 56 miles of various sized piping, 3 to 8 inches in diameter — will allow spraying of the treated sewage over two areas, totaling 600 acres, on the game lands.

The spraying meets the standards of all environmental control agencies, Mr. Patterson said. It has been extensively tested by Penn State's College of Agriculture and found to be odorless, as well as harmless to vegetation and animals in the area.

Foster elected by alumni

Lawrence G. Foster, corporate vice president for public relations and assistant chairman of the board of Johnson & Johnson, is the newest member of the Board of Trustees.

Mr. Foster was elected to a three-year term, along with six incumbents. The new board member, elected by Penn State alumni, replaces Charles W. Shaeffer of Baltimore, who did not seek re-election.

Re-elected by alumni were Walter J. Conti of Doylestown and Ralph D. Hetzel Jr. of Valencia, Calif.

Trustees re-elected by delegates from county agricultural societies were Raymond E. Sperry of Atlantic, and State Rep. Roger A. Madigan of Towanda.

County industrial society delegates re-elected H. Thomas Hollowell Jr. of Rydal and J. Lloyd Huck of New Vernon, N.J.

Mr. Foster, a 1948 graduate of Penn State, began his professional career as a journalist. He worked as a reporter, bureau chief and night city editor for the *Newark News*. In 1957, he joined Johnson & Johnson, the international health care products company.

In his present position, Mr. Foster is responsible for a worldwide communications program. As president of the Penn State Alumni Association from 1973 until 1975, Mr. Foster initiated the Alumni Vacation College and the Alumni Fellows Program. He also has been active in the Alumni Council and the Penn State

Fund Council. In 1979, he received the University's Distinguished Alumnus Award.

Walter J. Conti, owner of Conti Cross Keys Inn in Doylestown, has been vice president of the Board of Trustees since January 1979. A 1952 graduate of the University, he is vice president of the National Restaurant Association and active in numerous professional and public service organizations, including the Governor's Council on Physical Fitness.

Ralph D. Hetzel Jr., a 1933 graduate of Penn State, is provost and vice president of the California Institute of the Arts. Previously he was dean of the College of Fine and Professional Arts at Kent State University.

Rep. Roger Madigan was elected to the State legislature from the 110th District in 1976 and re-elected in 1978. He serves on a number of committees in the House of Representatives. A 1951 graduate of Penn State, he is a former dairy farmer and also operates a beef farm near Towanda.

Raymond E. Sperry operates a 350-acre poultry and grain farm in Crawford County. In 1975, he received the Pennsylvania Master Farmer Award. He is a past master of the Atlantic Grange and a director of the Crawford County Fair.

H. Thomas Hollowell Jr., an executive, economist and inventor, has been chairman of the board of Standard Pressed Steel in Jenkintown since 1971. He holds a number of patents and has served on the boards of numerous corporations and institutions.

J. Lloyd Huck is president and chief operating officer of Merck and Co., Inc., one of the nation's largest pharmaceutical firms. A 1946 graduate of Penn State, he was a 1980 Alumni Fellow of the University.

Capitol changes approved

The Trustees have approved changes in the division structure for academic units at the Capitol Campus in Harrisburg.

According to Theodore L. Gross, provost and dean at Capitol, all existing academic programs will be retained, but the number of academic administrators responsible for budgetary and personnel actions will be reduced.

"This new structure is more efficient," Dr. Gross said. "It replaces nine administrative units with six and affords us substantial other economies as well."

"Academically, it unites programs in ways that continue the interdisciplinary approach traditionally practiced at Penn

State Capitol. It will make possible many new forms of cooperation."

The new structure will take effect July 1. Dr. Gross said the selection process for division heads will begin immediately, and their names will be announced as soon as possible.

The new divisions, their degrees and component elements are:

— Science, Engineering and Technology. Bachelor of Technology with majors in building construction, electrical design engineering, energy, mechanical design engineering, transportation and water resources engineering technologies; Master of Engineering; Bachelor of Science in Mathematical Sciences in these interest areas: actuarial science, computers, education and managerial science, and an option in industrial hygiene.

— Business Division. Bachelor of Business Administration: Options in accounting, business administration, finance, health care management, marketing, economics and computer applications; Master of Administration.

— Behavioral Science and Education Division. Bachelor of Social Science: Options in psychosocial and secondary education; Master of Education; Master of Psychology; Bachelor of Education; Elementary Education. Concentrations in early childhood, humanities, mathematical sciences and social science.

— Humanities Division. Bachelor of Humanities: Options in American studies, business-humanities, literature, multimedia journalism, philosophy and secondary education English. Master of Arts in American Studies; Master of Arts in Humanities.

— Public Affairs Division. Bachelor of Social Science: option in public policy; Master of Public Administration; Master of Regional Planning.

— Richard H. Heindel Library.

Keller to get small store

A small bookstore outlet, 22 by 30 feet, to provide books, supplies and other items to students in Continuing Education programs will be built in the lobby of the Keller Conference Center.

"This will provide a convenience for the large number of Continuing Education students who use the center and need to purchase course materials," Ralph Zilly, vice president for business, said. "The project will be self-amortizing through the outlet's receipts."

(Continued on page 4)

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff appointment have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 846-1387 (network line 475-1287). Applications for these staff vacancies will be accepted until 5 p.m., June 12, 1980. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with *Fast Employment practices* (P5-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

CLASSIFICATION ANALYST, OFFICE OF PERSONNEL ADMINISTRATION University Park. Responsible to the Manager for assisting in various administrative duties related to the University's wage and salary classification plan. Gather information for review of existing positions or classification and evaluation of new positions. Write job descriptions based on the compiled data. Assist in conducting research, surveys, and compiling data for a wide variety of special projects and reports. Bachelor's degree or equivalent, preferably in personnel administration or industrial engineering, plus a minimum of one to two years of effective administrative experience, preferably in job evaluation and classification activity.

COLLEGE HEALTH NURSE — COMMONWEALTH CAMPUSES, DuBois Campus — Responsible administratively to the Dean of Student Affairs and professionally to the Director of Nursing Services for providing nursing care to the student body, including the treatment of minor and temporary illnesses and accidents, plus making appointments and referring students and employees to a physician or hospital when

necessary. Provide and execute a nursing regimen within the limits of standard nursing practices and University policies and University Health Services policy and procedures. Implement medicine regimens under the direction of a licensed physician or dentist. Graduate of an accredited nursing program or its equivalent and current licensure in Pennsylvania as a registered nurse, plus six to nine months of effective experience with some public health experience or training.

ASSISTANT DIRECTOR (DEVELOPMENT PROGRAMS) — STUDENT AFFAIRS University Park. Responsible to the Director of Residential Life Programs for the overall administration and coordination of the Developmental Programs of Residential Life Programs. For example, orientation of new students and coordination of various publications, and the TIPS System. A master's degree in student personnel administration or equivalent, plus two to four years of effective experience are required.

DENTAL HYGIENIST — COLLEGE OF MEDICINE, Millersburg Health Center — Responsible to the Director of Nursing Services for providing dental services pertaining to patient dental care and patient dental education programs. Candidates should be graduates of a state licensed and accepted school of dental hygiene and possess a license to practice dental hygiene in the state of Pennsylvania, plus one to two years of effective experience.

ASSISTANT DIRECTOR OF NURSING — COLLEGE OF MEDICINE, Hershey — Responsible to the Assistant Hospital Director/Director of Nursing Services for assisting with the administration of the Department of Nursing Services within assigned patient care areas, including the planning, organizing, staffing, coordinating, and evaluating activities necessary for continuation of nursing care and supervision of nursing care. M.S.N. in nursing administration or related area preferred, or equivalency, and three to four years' effective experience with a hospital setting and relating to the area of accountability to designated and current

license as a registered nurse by the Pennsylvania Board of Nurse Examiners.

ADMISSIONS COUNSELOR I — UNDERGRADUATE ADMISSIONS University Park. Responsible to the Associate or Assistant Director of Admissions for general assistance in handling of the more routine Admissions matters in an assigned regional area. Participate in and administer Admissions activities for freshmen, advanced standing, transfer, provisional, and nondegree students who are baccalaureate or associate degree candidates for University Park Campus and for assigned Commonwealth Campuses/Berks/Colebrook College. Bachelor's degree (or equivalent) plus six to nine months of effective experience in educational administration. A record of participation in and knowledge of academic and extracurricular or civic activity is desirable.

ASSIGNMENT OFFICE SERVICES ASSISTANT — HOUSING AND FOOD SERVICES University Park. Responsible for supervising the accounting of monies received through the Room Assignments Office and for preparing reports. Provide clerical controls for Housing and Food Service operations. High school or equivalent, plus two years of business school or associate degree in accounting or related field, plus one to two years of effective experience.

FINANCIAL AID COORDINATOR — OFFICE OF STUDENT AID University Park. Responsible to the Assistant Director of Student Aid for providing and delivery functions for Commonwealth Campus students, and for assisting in the internal administration and operation of all financial aid programs. Develop and maintain a strong working knowledge of all federal, state and institutional sources of financial aid. Assist students with financial concerns by providing information, counseling, and referral to aid services. Assist in the awarding and adjusting of financial aid packages. Master's degree or equivalent in student personnel services, public administration, business administration, or other related fields, plus one to one year of effective experience required.

Trustee docket

(Continued from page 3)

Ulerich set up fund

The Mr. and Mrs. William K. Ulerich Ophthalmology Fund has been established at Hershey to provide long-term financial support for the continuation and expansion of ophthalmology research, including the purchase of equipment.

From gifts totaling \$25,000 for this purpose from Mr. and Mrs. Ulerich of Clearfield, Pa., \$5,000 will be retained as the initial principal of the fund.

In announcing the scholarship, President Oswald commented:

"This is but another example of Bill Ulerich's sustained and generous commitment to Penn State. For more than 50 years as student, alumnus and Trustee, he has devoted himself to the welfare of the University, its students and its traditions."

Mr. Ulerich, a newspaper publisher and radio station executive, has actively supported Penn State since his graduation in 1931 with a B.A. in journalism. A member of the University's Board of Trustees from 1951-57 and from 1963 to the present, he served as president of the Board from 1976-79.

An ex-president of the national Penn State Alumni Association, he was named a Distinguished Alumnus of the University in 1969. In 1978, Mr. Ulerich received the Lion's Paw Medal, given for notable service to the University. In 1977, he received an honorary doctor of laws degree from Dickinson School of Law.

HUB renovation to start

Final plans for renovation of the University bookstores and food service areas in the Hetzel Union Building received Trustees approval.

The action allows the University to begin obtaining bids and awarding contracts on the projects. It will centralize three bookstore outlets into a single operation, while diversifying HUB food services and providing space for the Career Development and Placement Center to conduct interviews.

"A substantial portion of the work will be done by University employees," Ralph Zilly, vice president for business, said. "No University or tuition money is involved. The project will be self-amortizing through bookstore and food service receipts."

"Because of the extent of this renovation and because all the areas involved already are in use, the project will take place in a series of steps to minimize inconvenience to students and other users of these facilities."

Beginning this summer, Mr. Zilly reported, the HUB lower-level area containing the Lions Den, a cafeteria and three dining rooms will be closed for remodeling. This section will reopen in the Fall of 1981 as four separate food service nodes, offering three meals a day with a variety of service options.

"As soon as the new food operations open, it will be possible to shut down the Terrace Room cafeteria for remodeling," Mr. Zilly said. "This will allow us to move the bookstore from its three current locations into the Terrace Room."

The bookstore, located in two rooms, on separate floors of the HUB and in a third room in the nearby McAllister Building, will complete its move to the remodeled Terrace Room by the summer of 1982.

Remodeling will then begin on the three vacated bookstore locations. The lower-level HUB bookstore will be converted to a ratskeller-type restaurant; the present upper-level store will provide space for student organization offices and meeting rooms; and part of the McAllister bookstore will be converted to a placement interview area.

Also to be remodeled is the open "game room" area in the HUB. "This space will have new equipment, better noise control, and a food outlet serving beverages and

baked goods," Mr. Zilly noted.

"Besides consolidating the bookstore operation into a single, more convenient unit, the project will improve utilization of space," Mr. Zilly said. "The bookstore will expand from its current total area of 18,000 to 24,000 square feet."

The project is scheduled for completion in the Fall of 1981 at an estimated overall cost of \$2.87 million.

Feldstein gives report on Alumni Association activities

Efforts to support University operations on several fronts highlighted the past year's activities of the Penn State Alumni Association, Jay Feldstein, its president, told the Trustees. The 50,000-member organization has stepped up efforts to support University goals.

"The Alumni Office is working closely with the Admissions Office in identifying and training alumni volunteers to help recruit outstanding students for Penn State," Mr. Feldstein said. He added that several Penn State clubs both in and out of Pennsylvania are involved in the effort to support the admissions staff.

President Oswald commented that he was "very pleased that Mr. Feldstein was able to be present at the meeting of the Board. Alumni are a key element of the Board of Trustees, and it is most appropriate that the president of the Alumni Association is reporting on the excellent support activity being carried out."

Alumni also are involved in support of the University Career Development and Placement Center, Mr. Feldstein said. Volunteers are providing career counseling and job placement assistance, and alumni societies in Penn State's academic colleges have held a number of Career Days over the past year.

Support also has been provided for financially needy students. "One club in Arizona is even interested in establishing a scholarship fund that could help students from Arizona defray the out-of-state tuition costs to attend Penn State, and has made an initial contribution to that effort," Mr. Feldstein reported.

A survey of Penn State graduates taken by a University advanced marketing class this spring shows the makeup of the alumni body has changed since the last such survey in 1971, Mr. Feldstein said.

"Since that time, our alumni body has grown considerably younger — 43 percent of our total alumni have graduated since that last survey was taken. We also have" quite a few more females than we did nine years ago."

Alumni attitudes toward the University continue to be positive, Mr. Feldstein said. Up to 95 percent affirmed such statements as, "My experience at Penn State was satisfying and rewarding," "I am proud to have graduated from Penn State," "I would be pleased to have my child attend Penn State."

Other 1979-80 activities reported on by Mr. Feldstein included the Alumni Fellows program, which returned 11 eminent alumni to Penn State campuses to share career experiences; an Alumnus Day which drew about 400 participants for workshops and seminars on topics for women; the Alumni Vacation College; and the modernization of the Alumni Association's record-keeping systems.

A 1959 graduate of Penn State, Mr. Feldstein, a practicing attorney in Pittsburgh, recently was named chairman of the Pennsylvania Lottery Commission.

Elisabeth Blissell honored

The library building at New Kensington has been named the Elisabeth S. Blissell Library in honor of a founder and chief benefactor of the campus.

The library, a two-story, brick and concrete structure, holding more than 30,000 volumes opened in 1970.

"Mrs. Blissell was the driving force in establishing the New Kensington Campus," President Oswald said. "Her commitment and determination

have helped to bring higher education to many people in the New Kensington area who otherwise, would not have had the opportunity. It is with great pleasure that I have recommended the renaming of the library in her honor."

In 1958, Mrs. Blissell succeeded in what had been a long effort to establish a college presence in the New Kensington area. She persuaded the Chamber of Commerce to forgo a fund drive for a new Chamber building in favor of a campaign to bring Penn State to New Kensington.

After spearheading a drive to raise \$40,000 for refurbishing of a school building to house the Penn State Center, she began working on acquiring land for a campus. A 30-acre tract was donated by the Aluminum Company of America in 1963. Mrs. Blissell then helped lead a campaign to raise more than \$1.2 million to build the present physical plant.

In addition, Mrs. Blissell personally raised \$5,000 to enable disadvantaged youths to attend the campus. Currently, she serves as an unpaid campus consultant in the development of an Allegheny-Kiski Valley Ethnic Cultural Center.

Ikenberry to receive Honorary Alumnus status

Dr. Stanley O. Ikenberry, president of the University of Illinois, will be named an honorary alumnus of Penn State at ceremonies to be held Saturday, June 7, during Penn State's Alumni Reunion weekend.

Dr. Ikenberry served as senior vice president for administration at Penn State until his appointment at Illinois last year.

"Stan Ikenberry is a most deserving recipient of the Honorary Alumnus Award," President Oswald told the Trustees. "His devotion to Penn State during his service here was obvious to many people in the University community."

"Stan has an exceptional grasp on the broad range of responsibilities necessary for success in higher education administration. While here, he was always effective in communicating with Penn State's external and internal constituencies."

The Honorary Alumnus Award was established in 1973 to honor a person who is not a Penn State graduate but who has made significant contributions toward the welfare, reputation or prestige of the University. It is not an annual award but is given only when the Alumni Association wishes to honor an exceptional individual.

Program titles changed

The title of the Speech Pathology graduate program in the College of Education has been changed to Communication Disorders, following a similar change made recently in the name of the undergraduate program. In addition to speech pathology and audiology, the current graduate program includes studies in education of the hearing impaired and thus requires a broader title.

Similar reasoning dictated a change in the title of the Education of Exceptional Children graduate program, which has been renamed Special Education. The new title emphasizes the program's interest in the needs of exceptional individuals across a wide range of ages and is the more conventional label used across the nation. The undergraduate program has also been renamed Special Education.

Scannell

(Continued from page 1)

implementing this administrative integration with advice from representatives of appropriate University groups, including, especially, Commonwealth Campus and Continuing Education faculty members and staff.

President Oswald said Dr. Scannell, in accordance with conditions set forth by the Trustees in establishing this new position, will devote this first six months to developing the plan for action and

organization of the integration in consultation with appropriate faculty members and administrators. The integration, Dr. Oswald emphasized, will be purely administrative and will not alter academic organizations nor academic authority. Departmental responsibilities, including promotion and tenure policies, for example, will not be affected.

When those details have been approved by Dr. Oswald and Provost Eddy, the integration of the two units will take place. As chief administrator of the new unit, Dr. Scannell will report to Dr. Eddy and will serve as a member of the President's Staff and the Council of Academic Deans.

"I look forward," said Dr. Scannell, "to the challenges and opportunities presented by the administrative responsibility for these two excellent units of Penn State. I will do my best to measure up to the confidence that Dr. Oswald and the Board have expressed in me. The period of time they have provided for discussions with faculty members, students and staff before I assume day-to-day responsibilities will be extremely valuable as we develop details of the integration."

As dean of the College and director of its Research Institute, Dr. Scannell has directed widely recognized programs in both men's and women's athletics. He joined the Penn State faculty in 1961, following three years of service at John Adams High School in South Bend, Ind.

In 1963, he was appointed representative for Commonwealth Campus programs. He became associate dean for undergraduate resident instruction in 1967 and was named dean of the College in 1970.

With teaching and research interests that focus on motor skill learning and program administration, Dr. Scannell has served as editor of the Pennsylvania Journal of Health, Physical Education and Recreation. He was chairman of the University Faculty Senate in 1968-69.

He has been active in other campus leadership positions, serving as chairman of the Council of Academic Deans, vice-chairman of the University Council, and chairman of major subcommittees or task forces in developing both the 1972 and 1980 University master plans.

Deann Scannell holds three degrees in physical education — a B.S. magna cum laude '57 from Notre Dame, and M.S. and Ph.D. degrees from Penn State in 1959 and 1964, respectively.

According to Dr. Oswald, the goals of the integration will include reducing administrative overhead, maintaining the integrity of resident instruction at the Commonwealth Campuses, improving coordination of educational activities at the campuses and retaining the central management of Continuing Education programs. Enhancing the distinctive identity of each campus, he said, would remain a high priority with the new unit.

String quartet formed

A graduate string quartet that will perform throughout the summer has been formed by the School of Music.

Players in the Atherton String Quartet include violinists Laura Hardison, Willamsen and Mary Beth Lons, violist Becky McKee and cellist Annette Torregrossa, all of whom are candidates for the Master of Music degree. Donald Hopkins, violinist with the Alard String Quartet and an associate professor of music, will coach the group.

Dr. Maureen Carr, director of the School of Music, conceived the idea for the quartet as a "chamber music showcase."

The Atherton String Quartet's first performance is scheduled for 7 p.m. Friday, June 6, in the Fireside Room of the Nittany Lion Inn. The musicians will present a program of works by Mozart, Beethoven, Mendelssohn and Smetana for visiting alumni. The performance is free and open to the public, but seating will be limited.

Penn State Intercom

1980-81 academic promotions announced, effective July

The following promotions have been announced, effective July 1.

TO PROFESSOR

Eunice N. Askov, Education
John E. Ayers, Plant Pathology
Elmer W. Borklund, English
W. Dale Brownawell, Mathematics
John W. Burnside, Medicine, Hershey
John J. Cahir, Meteorology
Robert W. Christina, Physical Education
Frank A. Clemente, Sociology
Alan Davis, Geology
David R. DeWalle, Forest Hydrology
Roger M. Downs, Geography
Earl K. Graham Jr., Geophysics
Claire Hirschfeld, History, Ogontz
Winand K. Hock, Plant Pathology
Extension
David F. Hultsch, Human Development
Leon J. Johnson, Soil Mineralogy
Thomas J. Knight, American Studies and History
Daniel M. Landers, Physical Education
Alphonso F. Lingis, Philosophy

Thomas E. Long, Vocational Education and Counselor Education
M. Jeffrey Maisels, Pediatrics and Obstetrics and Gynecology, Hershey
Lloyd A. Morley, Mining Engineering
James W. Robinson, Electrical Engineering
John S. Shenk, Plant Breeding
Karl E. Spear, Ceramic Science and Engineering
Joseph Stach, Electrical Engineering
Kermit R. Tantum, Anesthesia, Hershey
Donald P. Verene, Philosophy
Paul J. Wangness, Animal Nutrition
Roger P. Ware, Mathematics
William Waterhouse, Mathematics
Steven M. Weinreb, Chemistry

TO ASSOCIATE PROFESSOR

Peter C. Appelbaum, Pathology, Hershey
Veerasingham P. Bhavanandan, Biological Chemistry, Hershey
Frederick M. Brown, Psychology, Worthington Scranton
Jacob De Rooy, Economics, Capitol
Mark W. Dirsmith, Accounting

Joseph R. Drago, Surgery, Hershey
Frederick R. Eisele, Social Policy
Robert M. Feinberg, Economics
Thomas A. Frank, Audiology
Robert H. Gannon, English
Kathryn M. Grossman, French, Beaver
Harold A. Harvey, Medicine, Hershey
Rugh A. Henderson, Family and Community Medicine, Hershey
David J. Hufford, Behavioral Science, Hershey
James R. Klein, Physics
Worthington Scranton
Antonio C. Lasaga, Geochemistry
Thomas A. Lloyd, Obstetrics and Gynecology and Pharmacology, Hershey
Christiane P. Makward, French
Thomas J. McGlynn Jr., Medicine, Hershey
Jack B. McManis, English
Yash P. Mehra, Economics
Philip J. Morris, Aerospace Engineering
Paul C. Painter, Polymer Science
David L. Pearson, Biology

G. Fred Riemann Jr., Philosophy, Ogontz
Dennis W. Schneck, Medicine and Pharmacology, Hershey
Jerry F. Shoup, Engineering, Capitol
Eugene R. Slaski, History, Allentown
Thomas G. Stehney, Engineering, Fayette
Kim C. Steiner, Forest Genetics
Richard W. St. Pierre, Health Education
Charles H. Strauss, Forest Economics
John M. Tarbell, Chemical Engineering, Hershey

TO SENIOR RESEARCH ASSOCIATE

Donald E. Kerr, Intercollegiate Research Programs and Facilities
Donald E. Thompson, Intercollegiate Research Programs and Facilities
John O. Yocum, Agriculture

TO LIBRARIAN

Albert J. Miller, New Kensington

TO ASSOCIATE LIBRARIAN

M. Sandra Wood, Hershey

Program evaluation criteria a priority, Franz says

Determining criteria and mechanisms for the evaluation of academic programs could be the Senate's first priority during the coming year, in the view of its new chairman, George Franz.

As Penn State moves through the eighties, some programs will undoubtedly be closed out or reorganized, believes Dr. Franz, an assistant professor of history at Delaware County.

"What we have to avoid is making decisions on gut reactions," Dr. Franz emphasizes. "We need agreed upon procedures that people can accept and understand."

In an interview, and in a speech delivered at the Senate's June 3 meeting, Dr. Franz discussed a number of issues that he thinks the Senate will confront during 1980-81. Many of these have been identified in *A Perspective on the '80s*, and they include:

— Finding an appropriate method of evaluating instruction, a procedure that varies greatly among departments. "We have all kinds of mechanisms — IEFs, peer reviews, alumni surveys — *ad infinitum* and we might add *ad nauseum*. Yet we have not really addressed the question, let alone answered it," Dr. Franz said.

— Providing incentives for research. Dr. Franz believes research needs more visibility and support within the University.

— Assisting with the merger of the Commonwealth Campuses and Continuing Education. "The merger goes to the fundamental organization of the University," Dr. Franz points out. "I suspect it will entail the development of new and different missions for these units as well as structural changes."

— Delegation of authority. "This will come up in a fall report," Dr. Franz says.

(Continued on page 3)



Dr. Franz

Faculty Senate winds up year; four legislative proposals are passed

Confronted by its longest docket of the academic year, the University Faculty Senate passed four legislative reports, including modifications to PS-23 and its administrative guidelines (story below). It also heard a number of informational reports.

Senator Judd B. Arnold (English) presented a report from the Committee on Admissions, Records and Scheduling, on "The Academic Consequences of Recent Admission Trends at Penn State." A summary of this report also begins below.

Two proposals from the Committee on Curricular Affairs were approved. The first establishes common numbers 295, 395, and 495 "to identify courses offering

internships, individual field experiences or practicums where the experiences are offered off-campus and do not include regular classroom or group instruction with faculty."

The second proposal adds a sentence to the catalog description of the common courses 296 and 496. (The addition is in capital letters.)

"296.496. Independent Studies (1-12) Creative projects, including research and design, which are supervised on an individual basis and which fall outside the scope of formal courses. A specific title may be used in each instance and will be entered on the student's transcript. STUDENTS MAY NOT REGISTER FOR

THESE COURSES WITHOUT PRIOR WRITTEN APPROVAL OF A FACULTY SPONSOR IN THE DEPARTMENT OR PROGRAM IN WHICH THE COURSES ARE LISTED." The legislation is designed to clear up misuse by some students of 296 and 496 courses, probably due to misunderstanding of the intent of the courses.

A report from the Committee on Extended Degrees applauded the successful implementation of the University's extended degree program in nursing. The Senate accepted the Committee's recommendation that it continue to grant a waiver to the time limits for completion of the extended

degree nursing program until the next scheduled review by the Committee in 1982.

A report on faculty salary analyses among Penn State locations was offered by the Senate Committee on Faculty Affairs. Breakdowns were presented for each of the three Penn State location groupings — University Park, the Commonwealth Campuses, and Capitol Campus, Behrend College and Radnor Center. "These tables," according to the report, "show that University Park average salaries are higher than those for other locations at all ranks except instructor. Also there are differences among colleges."

(Continued on page 7)

Four modifications to PS-23 accepted

The University Faculty Senate at its June 3 meeting accepted four recommendations from its Committee on Faculty Affairs for modifications to PS-23. One other recommendation listed earlier in the Senate docket was withdrawn by the Committee for further study.

The recommendations will be forwarded to the University administration for consideration and future implementation. Faculty Affairs was responding to 11 recommendations proposed in January of

this year by the Joint Faculty/Administration Commission to Review and Make Recommendations on University Policy Governing Promotion and Tenure. Committee Chairman Edward H. Klevans noted that Faculty Affairs will continue to study the Commission's report and present further legislative proposals during the coming Senate year.

The first modification adds a paragraph to the following statement, already in the

(Continued on page 7)

Admissions tracking can help planning

To help make faculty members more effective in academic planning, the Senate's Committee on Admissions, Records and Scheduling prepared a detailed report describing some of the data available on student academic competencies.

The report was presented by Dr. Judd Arnold at the June 3 Senate meeting.

The Committee has monitored the academic consequences of Penn State's admissions processes since 1977. Its report

points out that, "A fuller awareness by the faculty of each college of its own college's success in attracting the best students should stimulate fuller cooperation with the office of the Dean of Admissions in identifying and more effectively advertising the kinds of programs most likely to attract the best."

While the Committee report in the Senate docket offers a great deal of general data, Dr. Arnold noted that detailed

(Continued on page 6)

Penn Staters

Dr. Karl G. Stoeckel, associate dean of academic affairs in the College of Health, Physical Education and Recreation, has been appointed acting dean, effective July 1.

Dr. Stoeckel will assume the duties of Dr. Robert J. Scannell, who has been named vice president and dean of the new University-wide System of Continuing Education and Commonwealth Campuses. "I am deeply grateful to Dr. Stoeckel for agreeing to take on this responsibility," President Oswald said. "Because of his strong academic and administrative credentials, I am confident that Dr. Stoeckel will provide good leadership and stability for the College while a search for a permanent dean is conducted."

A faculty member since 1970, Dr. Stoeckel was the winner of the 1979 McKay Donkin Award, presented annually to the member of the faculty or staff who has contributed most to the "economic, physical, mental or social welfare of the faculty."

Dr. Stoeckel was recognized for his work in conducting an exercise program for individuals considered "high risks" for heart attacks.

A graduate of the University of Wisconsin with both bachelor's and master's degrees, Dr. Stoeckel received his doctorate from the University of Illinois.

He was a member of the Wisconsin faculty for 10 years prior to coming to Penn State in 1970 as professor of physical education and associate dean for resident instruction. He was named professor and associate dean for academic affairs in 1974.

He has written widely on the subject of fitness and has been a pioneer in the development of physical fitness programs for cardiac-risk individuals.

Dr. Stoeckel also has been a physical activity consultant to a number of hospitals and other institutions.

He was made a fellow of the American College of Sports Medicine in 1965, and the College cited him for his work in 1978.

Dr. Thomas A. Hale, associate professor of French and comparative literature, has received a Fulbright award to teach and conduct research at the University of Niamey in Niger. Dr. Hale will teach English and African literature, and collect oral literature in the Songhay-Zarma-speaking area of Niger, where he lived from 1964 to 1966 while serving as a Peace Corps volunteer.

Dr. Ernest C. Pollard, Evan Pugh Research Professor Emeritus of Biophysics, was recently awarded the Monie A. Ferst Medal and \$1,000 prize by the Society of Sigma Xi. The medal is awarded to an outstanding scientist for "encouraging excellence in research through Inspiration, Example, and Teaching." In conjunction with the award, a symposium of research talks by former students of Dr. Pollard was arranged. Dr. Pollard served as head of the Biophysics Department at Penn State from 1962 until his retirement in 1971. He is currently a Research Scholar in the Zoology Department at Duke University.

Zeijko D. Kujundzic, associate professor of art at the Fayette Campus, is one of five artists whose work is featured in a specially mounted sculpture exhibit at the Zenith Gallery, Washington, D.C., through Aug. 31. The Gallery exhibit was part of the 11th International Sculpture Conference held June 4-7 in the capital. After the last biennial conference in Toronto in 1978, Professor Kujundzic's works were included in a selected show that toured London, Paris and Brussels.

Elizabeth Winston, assistant professor of humanities and English at Capital Campus, has been selected as one of 12 participants in a National Endowment for the Humanities seminar for college

teachers at Emory University in Atlanta this summer. The topic of the seminar is "George Eliot and Other Victorian Novelists."

Dr. Heinz Henisch, professor of the history of photography, is serving as project consultant for a new exhibition, "Album: Original Photographs from the Atlanta Historical Society," which continues through Aug. 8 at the Peachtree Center Gallery of Handsake Center for the Arts, Atlanta, Ga. The more than 100 vintage photographs, selected with Dr. Henisch's assistance, illustrate both the history of the city and the history of photography. Dating from 1840-1930, the photographs were chosen for their artistic and technical merit. The exhibit catalog "Photography: Its History and Development as an Art Form." He also presented a slide lecture on "The Beginnings of Photography" in conjunction with the exhibit's opening on June 3.

Robert Allen, director of Audio Visual Services, has been chosen president-elect of the Consortium of University Film Centers. CUFC is composed of 57 university institutional members who operate film rental libraries, about 30 commercial film distributors and a number of public and private agencies involved with film distribution.

The National Academy of Sciences recently issued a report on the Status of Cement and Concrete R & D in the United States, the result of an extensive study by a committee chaired by Professor Della M. Roy, of the University's Materials Research Laboratory and Department of Materials Science and Engineering. Data summarized showed that the present level of R & D in the industry is inadequate to meet current needs and future challenges. Recommendations were made by Dr. Roy and the committee regarding specific efforts required for economic, institutional, and technological improvement.

Wesley G. Houser, associate professor of engineering at the Capital Campus, has been issued a U.S. Patent for an acoustic sensing device invented when he was an associate professor of engineering research at the Applied Research Laboratory. The device, intended primarily for use in underwater mine warfare, provides improved capability to discriminate between large ships and small ships. Through the use of a novel combination of hydrophones and electronic circuitry, the device recognizes the ultra low frequency acoustic signals that come only from large ships.

Murray S. Martin, associate dean of the University Libraries, has been elected president of the Pittsburgh Regional Library Center. The Center is one of 21 library networks in the United States and includes 81 libraries in Pennsylvania, West Virginia and Maryland. Its aims are to improve library service, help with the application of automation to libraries and assist in the development of resource sharing.

The Penn State Beaver Campus Distinguished Service Award has been presented to Elton E. Price, assistant professor of physical education, in recognition of his "courageous and sensitive actions both in the leadership of your skilled and dedicated colleagues and in your years of involvement in the development of our students."

Mr. Price is the athletic coordinator for the men's and women's athletic program at the Beaver Campus.

Dr. Henry P. Sims, associate professor of organizational behavior, was chosen president-elect of the Eastern Academy of Management at the group's annual meeting May 8-10 in Buffalo, N.Y. He will become president in August 1981.

Jane E. McCormick, assistant to the vice president for student affairs, has been selected for honorary membership in

Mortar Board, a national honor society. Ms. McCormick was nominated by the Penn State Chapter in recognition of her national and local leadership and service to her profession and the community. She is past president of the National Association for Women Deans, Administrators and Counselors.

Dr. Paul B. Baltes, professor of human development, has been appointed a senior fellow and director of the German Max-Planck Society for the Advancement of Sciences, effective January 1981. Senior fellowship in the society, which operates 50 research institutes with an annual budget of \$500 million, is a distinguished research appointment, comparable to membership in the U.S. National Academy of Sciences. Dr. Baltes will be co-director of the Max-Planck Institute for Human Development and Education in West Berlin, and will also hold an honorary professorship of psychology with the Free University of Berlin. Dr. Baltes, who earned his B.A., M.A. and Ph.D. at the University of Saar, Germany, came to Penn in 1972 as director of the Division of Individual and Family Studies.

Bookshelf

Stanley Rosen, professor of philosophy and fellow in the Institute for the Arts and Humanities Studies, has published a new book this week entitled *The Limits of Analysis*. (Basic Books: New York).

The work is addressed to the relation between analytical reason and the context as well as foundations of analytical thinking. It offers a detailed technical analysis of the procedures, largely adapted from the paradigm of mathematics, by which 20th century philosophers have attempted to resolve central metaphysical questions like those of being, existence, non-being, unity, essence, and intuition.

Dr. Rosen attempts to demonstrate that these analytical procedures not only fail to provide answers to traditional metaphysical questions, but obscure the original questions and incorporate traditional difficulties in an unnoticed way into their ostensible clarificatory analyses. Central to this section of his book is the defense of intuition, in several senses, including the perception of formal structures, the capacity to decide what to do next, the ability to apply rules, to see the point of an argument, and to know how to begin an analysis as well as to judge when it is finished.

Dr. Rosen then goes on to discuss ways of extending mathematically-influenced paradigms of rationality in order to deal satisfactorily with the comprehensive enterprise of analytical thinking, as for example in its manifestation as modern science. He deals extensively with the rhetorical justification of rationality, and with the connection between philosophical rhetoric and what are now called "world-views" or attempts to think the whole of experience. This section contains detailed discussions of historical paradigms such as Plato, Fichte, Nietzsche, Kant, and Hegel, all of whom provide pivotal examples of the attempt to capture conceptually the very foundations of conceptual thinking, or else to rebel against conceptualism, as in the case of Nietzsche.

The book attempts to rehabilitate comprehensive modes of thinking and to defend them against narrow technicism without sacrificing the virtues of technical or analytical thinking.

Dr. Wayne L. Myers, associate professor of forest biometrics, is principal author of *Survey Methods for Ecosystem Management*, a 397-page textbook published recently by John Wiley & Sons. His co-author is Dr. Ronald L. Shelton of Michigan State University.

The book shows how survey information can be obtained for each component of the ecosystem as well as how this information can be used in effective ecosystem management. The approach combines survey operations with

data banks into a comprehensive survey information system.

"Rising demands, pollution, and conflicts between interest groups make it essential that ecosystems be managed scientifically under the guidance of interdisciplinary teams," the authors write. "Such integrated management requires comprehensive information on the status of ecosystems, along with a broad base of ecological understanding among all those involved in the management effort."

Promotions

Staff Exempt

Roseann C. Lanyon to admissions counselor II in Undergraduate Admissions.

Staff Non-Exempt

Jane E. Snover to insurance billing supervisor at Hershey.

Clerical

Robin S. Carson to secretary C in Business Administration.

Louise W. Coons to accounting clerk at Hershey.

Eileen M. Hedricks to clerk, invoice A at Hershey.

Lois A. O'Shell to patient unit secretary at Hershey.

Bonita A. Simpson to inpatient billing clerk at Hershey.

Technical Service

Harry L. Gunter to waste water treatment plant operator A in Physical Plant.

Joseph F. Kepp to group leader, janitorial worker — day at Capital.

Russell W. Knapp III to group leader, print shop at Hershey.

Katherine M. Lordan to animal caretaker A at Hershey.

John H. McLaughlin to group leader, landscape at Capital.

Herbert L. Reese to janitorial worker, group leader in Physical Plant.

Stephen Sampel to operating mechanic in Physical Plant.

Teresa F. Shirk to lab attendant, stockroom clerk in Agriculture.

Carpooler

There are two openings in this carpool. Leave Snow Shop at 7 a.m. Work from 8 a.m. to 5 p.m. Phone 863-0211 or 387-6554. Other drivers preferred. Myra Bowling, 329 Whitmore Lab.

Obituaries

Louis D. Goodfellow, professor emeritus of psychology at the Altoona Campus, died May 22 at the age of 74. Dr. Goodfellow taught at Altoona from 1946 until his retirement in 1971, and in 1967 was honored for his contributions with the Christian R. and Mary F. Lindback Award for Distinguished Teaching.

Dr. Goodfellow earned his B.S. in psychology in 1929 at Lafayette College, his M.S. in education from Penn State in 1930, and his doctorate in psychology in 1932 at Northwestern University.

Norman C. Dale, a county agent with the College of Agriculture from 1919 to 1958, died May 29. He was 84 years old. A native of College Township in Centre County, he earned his B.S. in animal husbandry in 1918 and his M.S. in agricultural economics in 1933, both at Penn State.

Madeline F. Speary, a senior clerk in the College of Human Development when she retired in October 1966, died May 30 at the age of 75. Born in Spring Township, she began her Penn State service in 1944 as a clerk in the then College of Home Economics.

Augustus J. DeMoro, a maintenance mechanic at the Capital Campus when he retired in March 1970, died May 31. He was 66. He joined the Capital staff in January 1969.

Retirements

Dr. Jerome K. Pasto, associate dean for resident instruction in the College of Agriculture, retires June 30 with emeritus rank.

In 1971 Dr. Pasto was named one of the "Outstanding Educators of America" by the organization bearing that name. He was honored for leadership in revising curricula in the College of Agriculture and for providing graduate study opportunities in agriculture for black Americans.



In 1973-74, he was president of the National Association of Colleges and Teachers of Agriculture. In 1979 at its annual meeting, the Association presented him with a plaque "in recognition of outstanding service."

Last year he was elected to the Council for the College of Agriculture and Life Sciences and to the Agricultural Experiment Station, both at Cornell University.

In 1979, he also was honored by the resident instruction section of the National Association of State Universities and Land Grant Colleges "in grateful appreciation of his valuable leadership and distinguished services in educating agricultural students." Over the years, he had numerous responsibilities within in the organization, among them the chairmanship of the resident instruction section, Division of Agriculture.

Dr. Pasto joined the Penn State faculty in agricultural economics in 1950. In 1957, he took a two-year leave of absence to work as an agricultural production consultant with the United Nations' Food and Agricultural Organization at its Rome headquarters.

In 1960, he headed a three-man exploratory mission to Venezuela for the Pan American Union. The team examined the agricultural potential for settlement in the lowlands next to the Andean mountains.

In the late 1970s, Dr. Pasto was active in helping the Agricultural Alumni Society establish a museum for antique farm and household equipment. His interest in history was further evidenced when, as part of the nation's bicentennial celebration, he recreated a speech by Evan Pugh, Penn State's first president. Dr. Pasto gave 40 presentations in costume, with the assistance of Dr. James Van Horn as narrator.

Raised on a farm near Elmira, N.Y., Dr. Pasto graduated from Cornell in 1938, with a major in agronomy. He worked with the U.S. Department of Agriculture until the outbreak of World War II. For three years, he served in the Pacific as an air combat intelligence officer in the Navy, retiring as a lieutenant commander. In 1946, he earned a master's degree in farm management, and in 1950, a Ph.D. in land economics, both at Cornell. He is the author or co-author of 70 publications and articles, including 14 bulletins published by the Agricultural Experiment Station at University Park and at Cornell.

Marjorie E. Grove, an offsite duplicator operator in the Office of Student Affairs, retired June 1. She began her University service on April 1, 1974.

Dr. Luther H. Harshbarger, Penn State's first professor of religion and first chairman of the Department of Religious Studies, is retiring June 29 with the rank of professor emeritus of humanities and religious studies.

A faculty member for 31 years, Dr. Harshbarger earned a B.A. from McPherson College and a B.D. from Yale University Divinity School. After serving as a pastor in several states, he went to Europe in 1944 as senior representative of the World's Alliance of YMCAs. From 1947-49, he was director of World's



YMCA Services to Prisoners of War for Germany, for which he later received the Officers Cross of Merit of the Federal Republic of Germany.

He came to Penn State in 1949 as executive secretary of the Penn State Christian Association, now the United Christian Ministry. In 1951, he was appointed University chaplain and in 1954 became the first full-time chaplain and coordinator of religious affairs, Juniata College in 1955 conferred upon him the honorary Doctor of Divinity degree.

The fifteens saw the building of the Helen Eakin Eisenhower Chapel and the initiation of a religious studies program. Dr. Harshbarger became Penn State's first professor of religion in 1957, continuing as chaplain and coordinator. He was awarded a Fulbright Travel Grant to India in 1963.

In 1965, when a Department of Religious Studies was instituted, he became its chairman, a position he held until 1975, when he chose to return to full-time teaching.

More recently, he has been a visiting professor in higher education at Yale University Divinity School, a consultant in humanities at the American University in Beirut and a consultant in theological education to the Danforth Foundation.

A textbook he co-authored in 1968, with John Mourant, a former member of the Department of Philosophy, Judaism and Christianity: Perspectives and Traditions, currently is being re-issued by the Irving Press. Much of Dr. Harshbarger's research has been on the English and American romantics, and 19th century American religious thought. Dr. Harshbarger's University colleagues have established a Luther H. Harshbarger Fund for Religious Studies, to provide scholarship aid for students majoring in the field and to finance an annual lecture by a guest speaker. Contributions may be made through the Office of Gifts and Endowments.

Following his retirement, Dr. Harshbarger and his wife, Marian, plan to continue living on their Nittany Valley farm. The couple has two sons, one of whom, Dohn, is dean of student affairs at Behrend College.

Evelyn E. Cooper, a food preparator with Housing and Food Services since Sept. 21, 1969, retired May 25.

Marie C. Kuti, bookstore manager at Shenango Valley, retired May 31. She began work at the Campus April 1, 1967.

Clarence M. Woodring, a dining hall worker with Housing and Food Services since Oct. 10, 1966, retired May 23.

Pollock's loss will be the Blue Golf Course's gain.

Pollock Dining Hall parted with its head cook, Martha B. Weaver, on May 24, but Mrs. Weaver's husband, Fred (who retired five years ago) is already planning the golf lessons he's going to give her.

Mrs. Weaver joined the Housing and Food Services staff in September 1958, starting out as a counter lady in Waring Dining Hall. She moved to Pollock when it opened in 1960, at first as a relief cook.

The Weavers have a van, in which they plan to travel to Colorado and British Columbia (they have a son in each area); and while they'll maintain their home in Park Forest, they may spend part of the winter in Florida. They have lots of grandchildren to visit. Together, their sons, and their daughter, who lives in Kaywood near State College, have 10 children.

Mrs. Weaver says she loved her work and will miss it, but her husband has been anxious for her to retire so they can do more things together.

Although June 28 marks the official retirement date of John C. Rudy, a combustion equipment mechanic in the College of Earth and Mineral Sciences, Penn State will still have two representatives of the Rudy family on its staff.

Mrs. Reta Rudy is employed as a bindery operator in Business Services, and one of the couple's two sons, Kenneth, is an engineering aide at the Breazeale Nuclear Reactor.

Mr. Rudy's job was to maintain all the equipment used in coal research programs in E&MS and to do coal analyses. He plans to keep his hand in during retirement by servicing oil burners and helping friends install heating units. He also is planning to leave himself some time to enjoy his favorite pastimes of hunting, fishing and camping.

Franz

(Continued from page 1)

"The issue involves giving faculty in associate degree programs more authority, as well as the nature and scope of our extended degree programs."

— "The ever-present question" of PS-23 revision. Dr. Franz is hopeful that will be completed this year.

Dr. Franz also intends to make use of forensic sciences to enable the Senate to take up other issues of importance to the University community without regard to specific legislation.

"To be frank," he told the Senate, "the Senate is uncomfortable with general policy questions. We much prefer the arcane student rule to the abstract policy."

For Fall Term — probably in November — Dr. Franz is proposing a debate on the academic consequences of a calendar change to the semester system.

"For the Winter Term," he said, "probably the February meeting." I propose we have a forensic session that would provide an update and analysis of developments, particularly as they relate to governance, in the area of collective bargaining. I believe this to be of interest to the faculty, particularly in light of the recent activities in California.

"For the Spring Term, if the Freshman Year Committee has progressed sufficiently, I suggest we have a session based on its findings."

Coming from a Commonwealth Campus, does Dr. Franz believe he brings a different point of view to the Senate chairmanship?

"I might see specific issues somewhat differently — problems of research or promotion and tenure," he says. "But I was secretary of the Senate for a year and then chairman-elect, and throughout the past two years there was a large degree of unanimity among all the officers. I can't think of anything in the last year on which

George McMurtry and I held different views."

"The Commonwealth Campus faculty doesn't vote as a bloc any more than do engineering or liberal arts faculty. We do hold a caucus — as do most of the colleges in the Senate. During my eight years in the Senate, there's never been an issue where there has been total agreement in the caucus. Campus senators may tend to vote for other campus senators for an office, but we only have 30 some votes. In fact, I think most campus senators have two viewpoints. For example, I frequently look at issues from the point of view of a historian and for their effect on the College of the Liberal Arts."

Dr. Franz sees the role of the Senate chairman as that of organizer or facilitator.

"The Senate work is done by committees," he points out. "If the committees are good and their chairmen are good, you get good reports. If we have a successful year, it's because we did a good job of staffing the committees and naming the chairmen."

How representative is the Faculty Senate?

"The Senate is one spokesman for the faculty," Dr. Franz says. "We try to present a faculty viewpoint to the President, the Provost and other University officers. Sometimes the Senate is criticized because of its long, fruitless debates. But I submit that in those cases, the faculty itself is divided. Many times we agree on general concepts — such as the necessity of planning for the '80s, but we get hung up on details. When the faculty does agree — and that's very often — a piece of legislation goes through smoothly. In any case, the Senate debate helps clarify the issues."

One program on which the Senate did reach agreement was the University Scholars Program. It is a program which Dr. Franz helped bring to the floor and the legislation he is proud of having sponsored.

In his speech, Dr. Franz further described the role of the Senate.

"We must realize that we are not administrators and our role is not to establish minute procedures and detailed programs. As faculty, our primary functions are teaching, research and public service. Additionally, as faculty in an institution that believes in shared governance, and which has functioned increasingly more effectively under that principle, we have an added burden, especially as Senators, of providing guidance and legislative authority for the establishment of policy. Our function is to establish or modify existing academic policies, where appropriate, and then to monitor the implementation of that policy."

A member of the faculty since 1968, Dr. Franz holds an A.B. in history from Muhlenberg College and his M.A. and Ph.D. from Rutgers University. A specialist in the history of Pennsylvania during the colonial and revolutionary periods, he is currently completing the editing of the papers of Martin Van Buren, with the aim of making them available by 1982, the year of the bicentennial of Van Buren's birth. They will be prepared for publication by the Microfilming Corporation of America.

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University Park Calendar

Summer Term 1980

Thursday, June 12

Drop Adds, 9 a.m.-4 p.m., HUB Station. Also June 13, 16 and 17.
University Libraries orientation tours: Pattee — 9 and 11 a.m., 1 and 3 p.m.; Branches — undergraduate students, 10 a.m., graduate students, 2 p.m.
HUB Craft Center Open House, 7:30 p.m., Room 312 HUB.

Friday, June 13

Karate Club film, *Dirty Harry*, 7, 9 and 11 p.m., Room 111 Forum.
Commonsplace Theatre, *Jimi Hendrix*, 7 and 9 p.m., Room 112 Kern.

Saturday, June 14

France-Cinema, *Wifemistress*, 7 and 9 p.m., Room 112 Kern.
Karate Club film, *Dirty Harry*, 7, 9 and 11 p.m., Room 111 Forum.
Explanaganza film, *Night of the Living Dead*, dusk, Fisher Plaza.

Sunday, June 15

Free U registration, 11 a.m.-4 p.m., Room 301 HUB.
Karate Club film, *Dirty Harry*, 7, 9 and 11 p.m., Room 111 Forum.
Commonsplace Theatre, *Jimi Hendrix*, 7 and 9 p.m., Room 112 Kern.

Week of June 16

Monday, June 16

HUB Craft Center classes begin.
France-Cinema, *Wifemistress*, 7 and 9 p.m., Room 112 Kern.
Color Slide Club meeting, 7:30 p.m., Room 189 MRL.

Tuesday, June 17

Explanaganza concert, Rustical Quality String Band, 7 p.m., Fisher Plaza.
Penn State Karate Club demonstration, 7:30 p.m., Room 106 White.

Thursday, June 19

Festival Theatre, Neil Simon, *The Good Doctor*, 8 p.m., The Pavilion Theatre.

Friday, June 20

Late registration deadline and add deadline for 10 week Summer Term.
Commonsplace Theatre, *Dr. Strangelove*, 7 and 9 p.m., Room 112 Kern.
Festival Theatre, *The Good Doctor*, 8 p.m., The Pavilion Theatre.

Saturday, June 21

France-Cinema, Brusati, *Bread and Chocolate*, 7 and 9 p.m., Room 112 Kern.
Festival Theatre, *The Good Doctor*, 8 p.m., The Pavilion Theatre.
Explanaganza film, *Sound of Music*, dusk, Fisher Plaza.

Sunday, June 22

Commonsplace Theatre, *Dr. Strangelove*, 7 and 9 p.m., Room 112 Kern.
Festival Theatre, *The Good Doctor*, 7:30 p.m., The Pavilion Theatre.

Week of June 23

Monday, June 23

France-Cinema, *Bread and Chocolate*, 7 and 9 p.m., Room 112 Kern.

Tuesday, June 24

Explanaganza concert, Duo (Tad & Bob), 7 p.m., Fisher Plaza.
Festival Theatre, *The Good Doctor*, 8 p.m., The Pavilion Theatre.

Wednesday, June 25

Festival Theatre, *The Good Doctor*, 8 p.m., The Pavilion Theatre.

Thursday, June 26

Festival Theatre, Hart and Rodgers, *Pal Joey*, 8 p.m., The Playhouse, *The Good Doctor*, 8 p.m., The Pavilion Theatre.

Friday, June 27

Pass/Fail for 10 week Summer Term.
Festival Theatre, *The Good Doctor*, 8 p.m., The Pavilion Theatre; *Pal Joey*, 8 p.m., The Playhouse.

Saturday, June 28

France-Cinema, Carle, *Normande*, 7 and 9 p.m., Room 112 Kern.
Festival Theatre, *The Good Doctor*, 8 p.m., The Pavilion Theatre; *Pal Joey*, 8 p.m., The Playhouse.

Spectrum, Victor Borge, "Comedy in Music," 8 p.m., Eisenhower Auditorium.
Explanaganza film, *Psycho*, dusk, Fisher Plaza.

Sunday, June 29

Festival Theatre, *The Good Doctor*, 7:30 p.m., The Pavilion Theatre; *Pal Joey*, 7:30 p.m., The Playhouse.



Week of June 30

Monday, June 30

Pass/Fail for 10 week Summer Term.
Registration for 8, 9 and 3 week Summer Terms, 1-5 p.m., Activities Room, IM Bldg.
France-Cinema, *Normande*, 7 and 9 p.m., Room 112 Kern.

Tuesday, July 1

Drop deadline, pass/fail and course repeat deadline for 10 week Summer Term.
Explanaganza concert, Buffalo Chipmunks, 7 p.m., Fisher Plaza.
Festival Theatre, *The Good Doctor*, 8 p.m., The Pavilion Theatre; *Pal Joey*, 8 p.m., The Playhouse.

Wednesday, July 2

Festival Theatre, *The Good Doctor*, 8 p.m., The Pavilion Theatre; *Pal Joey*, 8 p.m., The Playhouse.

Thursday, July 3

Phi Delta Kappa/College of Education Summer Lecture Series, 11:10 a.m., Room 112 Kern.
Dr. Robert Scanlon, Secretary of Pa. Dept. of Public Education, speaker.

Festival Theatre, *The Good Doctor*, 8 p.m., The Pavilion Theatre; *Pal Joey*, 8 p.m., The Playhouse.

Spectrum, Fred Waring Youth Workshop Chorus, 8 p.m., Schwab.

Friday, July 4

Independence Day. No classes. University offices closed.

Festival Theatre, *The Good Doctor*, 8 p.m., The Pavilion Theatre; *Pal Joey*, 8 p.m., The Playhouse.

Spectrum, Fred Waring Youth Workshop Chorus, 8 p.m., Schwab.

Saturday, July 5

Opening reception for Sidney Goodman exhibit 3-5 p.m., Museum of Art.
Festival Theatre, *The Good Doctor*, 8 p.m., The Pavilion Theatre; *Pal Joey*, 8 p.m., The Playhouse.

Sunday, July 6

Central Pennsylvania Festival of the Arts Gala 7-9 p.m., Museum of Art.
Festival Theatre, *The Good Doctor*, 7:30 p.m., The Pavilion Theatre; *Pal Joey*, 7:30 p.m., The Playhouse.

Week of July 7

Monday, July 7

Funce-Cinema, Antonioni, *Zabriskie Point*, 7 and 9 p.m., Room 112 Kern.
Interdisciplinary Symposium on Value lecture, 8 p.m., Room 101 Kern. James Martin, psychology, speaker.

Tuesday, July 8

Late registration deadline and add deadline for 6 week Summer Term.

Explanagaza concert, Arthur Goldstein Quartet, 7 p.m., Fisher Plaza.
Summer Series in Gerontology lecture, 7:30 p.m., Room 112 Kern. Yolanda Jeschick, exec. dir., Pa. Senior Center Institute, and Eugene F. Erway, exec. dir., Pa. Council on Aging, on "A Forum on the Political Process as an Advocate for Older Adults."
Festival Theatre, *Pal Joey*, 8 p.m., The Playhouse.

Wednesday, July 9

Late registration deadline and add deadline for 8 week Summer Term.

CPA, Children's Day, campus and town locations.

Festival Theatre, *Pal Joey*, 8 p.m., The Playhouse.

Thursday, July 10

14th Annual Central Pennsylvania Festival of the Arts, campus and town locations, through July 13.

Summer Series in Gerontology lecture, 7:30 p.m., Room 112 Kern. "The 1981 White House Conference on Aging: Local Organizations and Grass-Roots Involvement."
Festival Theatre, *Pal Joey*, 8 p.m., The Playhouse.

Friday, July 11

Board of Trustees meeting, Mont Alto Campus.

Pass/fail for 6 week Summer Term.

Festival Theatre, *Pal Joey*, 8 p.m., The Playhouse.

Spectrum, Doc and Merle Watson, with Mary Mc-Coslin and Jim Ringer, 8 p.m., Eisenhower Auditorium.

Saturday, July 12

Board of Trustees meeting, Mont Alto Campus.

France-Cinema, *Roseng, Walkabout*, 7 and 9 p.m., Room 112 Kern.

Festival Theatre, *Pal Joey*, 8 p.m., The Playhouse.

Spectrum, New Orleans Ragtime Orchestra, 8 p.m., Eisenhower Auditorium.

Explanagaza film, *Electric Zachariah*, dusk, Fisher Plaza.

Sunday, July 13

Festival Theatre, *Pal Joey*, 7:30 p.m., The Playhouse.

Spectrum, New Orleans Ragtime Orchestra, 8 p.m., Eisenhower Auditorium.

Explanagaza film, *Electric Zachariah*, dusk, Fisher Plaza.

Festival Theatre, *Pal Joey*, 8 p.m., The Playhouse.

Spectrum, New Orleans Ragtime Orchestra, 8 p.m., Eisenhower Auditorium.

Explanagaza film, *Electric Zachariah*, dusk, Fisher Plaza.

Festival Theatre, *Pal Joey*, 8 p.m., The Playhouse.

Spectrum, New Orleans Ragtime Orchestra, 8 p.m., Eisenhower Auditorium.

Explanagaza film, *Electric Zachariah*, dusk, Fisher Plaza.

Festival Theatre, *Pal Joey*, 8 p.m., The Playhouse.

Spectrum, New Orleans Ragtime Orchestra, 8 p.m., Eisenhower Auditorium.

Explanagaza film, *Electric Zachariah*, dusk, Fisher Plaza.

Festival Theatre, *Pal Joey*, 8 p.m., The Playhouse.

Spectrum, New Orleans Ragtime Orchestra, 8 p.m., Eisenhower Auditorium.

Explanagaza film, *Electric Zachariah*, dusk, Fisher Plaza.

Festival Theatre, *Pal Joey*, 8 p.m., The Playhouse.

Spectrum, New Orleans Ragtime Orchestra, 8 p.m., Eisenhower Auditorium.

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Festival Theatre, *Pal Joey*, 8 p.m., The Playhouse.

Spectrum, New Orleans Ragtime Orchestra, 8 p.m., Eisenhower Auditorium.

Explanagaza film, *Electric Zachariah*, dusk, Fisher Plaza.

Festival Theatre, *Pal Joey*, 8 p.m., The Playhouse.

Spectrum, New Orleans Ragtime Orchestra, 8 p.m., Eisenhower Auditorium.

Explanagaza film, *Electric Zachariah*, dusk, Fisher Plaza.

Festival Theatre, *Pal Joey*, 8 p.m., The Playhouse.

Friday, July 18

Commonplace Theatre, *Steady Blues*, 7 and 9 p.m., Room 112 Kern.

Spectrum, Crystal Gayle, 7 and 9.15 p.m., Eisenhower Auditorium.

Festival Theatre, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre.

Saturday, July 19

France-Cinema, Wertmuller, *Seven Beauties*, 7 and 9 p.m., Room 112 Kern.

Festival Theatre, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre.

Explanagaza film, *Singin' in the Rain*, dusk, Fisher Plaza.

Sunday, July 20

Festival Theatre, *Ah, Wilderness!* 7:30 p.m., The Pavilion Theatre.

Explanagaza film, *Singin' in the Rain*, dusk, Fisher Plaza.

Monday, July 21

France-Cinema, *Seven Beauties*, 7 and 9 p.m., Room 112 Kern.

Color Slide Club meeting, 7:30 p.m., Room 169 MRL.

Tuesday, July 22

Explanagaza concert, Matengo, 7 p.m., Fisher Plaza.

Festival Theatre, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre.

Wednesday, July 23

Festival Theatre, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre.

Thursday, July 24

Festival Theatre, theatre music by Jerome Kern, *Can't Help Lovin' Dat Kern*, 8 p.m., the Playhouse; *Ah, Wilderness!* 8 p.m., The Pavilion Theatre.

Spectrum, Fred Waring Youth Workshop Chorus, 8 p.m., Schwab.

Friday, July 25

Commonplace Theatre, *Five Easy Pieces*, 7 and 9 p.m., Room 112 Kern.

Festival Theatre, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre; *Can't Help Lovin' Dat Kern*, 8 p.m., The Playhouse.

Spectrum, Fred Waring Youth Workshop Chorus, 8 p.m., Schwab.

Saturday, July 26

France-Cinema, Truffaut, *400 Blows*, 7 and 9 p.m., Room 112 Kern.

Festival Theatre, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre; *Can't Help Lovin' Dat Kern*, 8 p.m., The Playhouse.

Spectrum, Ohio Ballet, Heinz Pol, artistic director, 8 p.m., Eisenhower Auditorium.

Explanagaza film, *The Graduate*, dusk, Fisher Plaza.

Sunday, July 27

Commonplace Theatre, *Five Easy Pieces*, 7 and 9 p.m., Room 112 Kern.

Festival Theatre, *Ah, Wilderness!* 7:30 p.m., The Pavilion Theatre; *Can't Help Lovin' Dat Kern*, 7:30 p.m., The Playhouse.

Explanagaza film, *The Graduate*, dusk, Fisher Plaza.

Monday, July 28

First day to sign Fall Term NDSL and University Long Term Loans, Room 108 Shields.

France-Cinema, 400 Blows, 7 and 9 p.m., Room 112 Kern.

Tuesday, July 29

Explanagaza concert, Glenn Kiddier, 7 p.m., Fisher Plaza.

Festival Theatre, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre; *Can't Help Lovin' Dat Kern*, 8 p.m., The Playhouse.

Wednesday, July 30

Festival Theatre, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre; *Can't Help Lovin' Dat Kern*, 8 p.m., The Playhouse.

Thursday, July 31

Festival Theatre, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre; *Can't Help Lovin' Dat Kern*, 8 p.m., The Playhouse.

Friday, August 1

Phi Delta Kappa/College of Education Summer Lecture Series, 2:20 p.m., Room 112 Kern.

Seminar on "International Higher Education."

Annual Square Dance Festival, 5 p.m.-midnight, HUB Ballroom and North Lounge.

Commonplace Theatre, *Performance*, 7 and 9 p.m., Room 112 Kern.

Festival Theatre, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre; *Can't Help Lovin' Dat Kern*, 8 p.m., The Playhouse.

Saturday, August 2

Annual Square Dance Festival, 9 a.m.-midnight, HUB Ballroom, North Lounge and Room 301.

France-Cinema, Weir, *Picnic at Hanging Rock*, 7 and 9 p.m., Room 112 Kern.

Festival Theatre, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre; *Can't Help Lovin' Dat Kern*, 8 p.m., The Playhouse.

Explanagaza film, *The Great Dictator*, dusk, Fisher Plaza.

Sunday, August 3

Commonplace Theatre, *Performance*, 7 and 9 p.m., Room 112 Kern.

Festival Theatre, *Ah, Wilderness!* 7:30 p.m., The Pavilion Theatre; *Can't Help Lovin' Dat Kern*, 7:30 p.m., The Playhouse.

Monday, August 4

France-Cinema, *Picnic at Hanging Rock*, 7 and 9 p.m., Room 112 Kern.

Interdisciplinary Symposium on Value lecture, 8 p.m., Room 101 Kern. Robert Price, philosophy, speaker.

Tuesday, August 5

Red Cross Bloodmobile, 10 a.m.-5 p.m., HUB Ballroom.

Explanagaza concert, Reuben & The Hipsters, 7 p.m., Fisher Plaza.

Festival Theatre, *Can't Help Lovin' Dat Kern*, 8 p.m., The Playhouse.

Wednesday, August 6

Last day to sign Summer Term NDSL and University Long Term Loans, Room 108 Shields.

Late drop deadline for 10 week Summer Term. Festival Theatre, *Can't Help Lovin' Dat Kern*, 8 p.m., The Playhouse.

Thursday, August 7

Late drop deadline for 6 week Summer Term. Festival Theatre, *Can't Help Lovin' Dat Kern*, 8 p.m., The Playhouse.

Spectrum, Fred Waring Youth Workshop Chorus, 8 p.m., Schwab.

Friday, August 8

Commonplace Theatre, *The Magic Christian*, 7 and 9 p.m., Room 112 Kern.

Festival Theatre, *Can't Help Lovin' Dat Kern*, 8 p.m., The Playhouse.

Spectrum, Fred Waring Youth Workshop Chorus, 8 p.m., Schwab.

Saturday, August 9

France-Cinema, Bunuel, *The Obscure Object of Desire*, 7 and 9 p.m., Room 112 Kern.

Festival Theatre, *Can't Help Lovin' Dat Kern*, 8 p.m., The Playhouse.

Explanagaza film, *Fillmore*, dusk, Fisher Plaza.

Sunday, August 10

Commonplace Theatre, *The Magic Christian*, 7 and 9 p.m., Room 112 Kern.

Festival Theatre, *Can't Help Lovin' Dat Kern*, 7:30 p.m., The Playhouse.

Monday, August 11

France-Cinema, *The Obscure Object of Desire*, 7 and 9 p.m., Room 112 Kern.

Tuesday, August 12

Late drop deadline for 8 week Summer Term. Explanagaza concert, The Dance Band, 7 p.m., Fisher Plaza.

Thursday, August 14

Phi Delta Kappa/College of Education Summer Lecture Series, 11:10 a.m., Room 112 Kern.

Richard Chait, ast. provost, on "Motivation and Rewards: What Works in Academe."

Saturday, August 16

France-Cinema, Wertmuller, *Love and Anarchy*, 7 and 9 p.m., Room 112 Kern.

Explanagaza film, *Animal Farm*, dusk, Fisher Plaza.

Week of August 18

Monday, August 18

France-Cinema, *Love and Anarchy*, 7 and 9 p.m., Room 112 Kern.

Color Slide Club meeting, 7:30 p.m., Room 169 MRL.

Tuesday, August 19

Explanagaza concert, Duet, 7 p.m., Fisher Plaza.

Wednesday, August 20

Last day to sign Summer Term Emergency Loans, Room 108 Shields.

Summer Term classes end, 9:55 p.m.

Thursday, August 21

Final examinations.

Friday, August 22

Final examinations.

Saturday, August 23

Final examinations.

Sunday, August 24

Residence Halls close for Summer Term, 3 p.m.

Monday, August 25

International Student Arrival Day Orientation, 8:30 a.m.-5 p.m., Room 101 Kern.

Tuesday, August 26

International Students Orientation, 9:30 a.m., through August 31, Kern Bldg. and Eisenhower Chapel.

Saturday, August 30

Summer Term Commencement, 10:30 a.m., Rec. Hall.

Sunday, August 31

Summer Term Commencement, 10:30 a.m., Rec. Hall.

Monday, August 1

International Student Arrival Day Orientation, 8:30 a.m.-5 p.m., Room 101 Kern.

Tuesday, August 2

International Students Orientation, 9:30 a.m., through August 31, Kern Bldg. and Eisenhower Chapel.

Saturday, August 30

Summer Term Commencement, 10:30 a.m., Rec. Hall.

Sunday, August 31

Summer Term Commencement, 10:30 a.m., Rec. Hall.

Monday, August 1

International Student Arrival Day Orientation, 8:30 a.m.-5 p.m., Room 101 Kern.

Tuesday, August 2

International Students Orientation, 9:30 a.m., through August 31, Kern Bldg. and Eisenhower Chapel.

Saturday, August 30

Summer Term Commencement, 10:30 a.m., Rec. Hall.

Sunday, August 31

Summer Term Commencement, 10:30 a.m., Rec. Hall.

Monday, August 1

International Student Arrival Day Orientation, 8:30 a.m.-5 p.m., Room 101 Kern.

Tuesday, August 2

International Students Orientation, 9:30 a.m., through August 31, Kern Bldg. and Eisenhower Chapel.

Saturday, August 30

Summer Term Commencement, 10:30 a.m., Rec. Hall.

Sunday, August 31

Summer Term Commencement, 10:30 a.m., Rec. Hall.

Monday, August 1

International Student Arrival Day Orientation, 8:30 a.m.-5 p.m., Room 101 Kern.

Tuesday, August 2

International Students Orientation, 9:30 a.m., through August 31, Kern Bldg. and Eisenhower Chapel.

Saturday, August 30

Summer Term Commencement, 10:30 a.m., Rec. Hall.

(Continued from page 1)

Staff support for the report was provided by Edmond Marks, director, Undergraduate Studies Research Support; Leonard Brush, associate director, Data and Systems Support, Office of Planning and Budget; and Gabriele Michels, lead programmer analyst, Office of Planning and Budget.

Date: 3/20/80
REF: TADPOLE

NUMBER, RETENTION RATES, AND SUBSEQUENT PERFORMANCE RECORDS OF TRANSFERS IN EACH ADMISSION CATEGORY FROM CC₂ TO UP, FALL, 1977

[illegible]

*NA includes students who cannot be identified by admission category. This number includes transfers from other schools.

Date: 3/21/60
 REF: TADPOLE

NUMBER, RETENTION RATES, AND SUBSEQUENT PERFORMANCE RECORDS OF ALL UP BACCALAUREATE DEGREE FRESHMEN, IN EACH ADMISSION CATEGORY, FALL, 1977

ADMISSION CATEGORY	IN		OUT		OFFICIALLY FAILED TO RE-ENTER										TRANSFERRED		GRADUATED		CUM GPA
	NO	SPN	NO	SPN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
1	117	106	3,454	3,454	1	1	-	-	-	6	5	-	-	-	-	-	-	-	
2	1,171	1,043	3,117	3,117	46	3	7	1	131	9	11	1	10	1	-	-	-		
3	422	710	2,445	2,447	53	8	7	1	90	11	14	2	15	2	-	-	3.45		
4	542	478	2,444	2,447	76	16	11	2	73	13	17	3	4	1	-	-	-		
5	224	171	2,33	2,33	72	37	14	4	34	15	4	2	4	2	-	-	-		
6	124	49	2,11	2,24	35	44	13	10	20	16	2	2	6	5	-	-	-		
7	74	35	1,47	2,13	44	54	12	16	20	27	1	1	7	9	-	-	-		
10	54	29	2,33	2,23	23	43	5	9	22	38	-	-	2	3	-	-	-		
TOTAL	3,155	2,957	2,444	2,444	364	12	74	2	374	12	44	2	48	2	2	2	3.45		
NON-RENEW	40	34	2,33	2,370	45	34	4	6	30	45	-	-	-	-	3	4	3.70		
NON-RENEW	44	270	2,34	2,34	15	12	1	1	41	46	2	2	4	4	3	3	2.05		

(3) THE GRAD POINT AVERAGES SHALL BE THE SAME AS THE OFFICIAL TRANSCRIPT GRADE POINT AVERAGES

Date: 3/21/80
 Ref: TADPOLC

NUMBER, RETENTION RATES, AND SUBSEQUENT PERFORMANCE RECORDS OF ALL CC BACCALAUREATE DEGREE FRESHMEN IN EACH ADMISSION CATEGORY, FALL, 1977

[Note again that column B does not indicate a retention rate. Retention rates are suggested by columns F and G. Column I, for the most part, identifies transfers to various UP colleges.]

ADMIS. CATG.	NO. ENROLLED	NO. OF APTS		OFFICIALLY		FAILED TO		RE-ENTERED		TRANSFERRED		GRADUATED		CUM. GPA	
		FALL	FALL	FALL	FALL	FALL	FALL	FALL	FALL	FALL	FALL	FALL	FALL		
1	16	4	3,49	3,49			3	19		5	31				
2	418	245	3,25	3,28	12	3	1	63	20	1	89	21	4	1,34	
3	599	384	2,73	3,00	49	7	1	121	20	3	127	21	6	1,28	
4	1,088	573	2,73	2,79	142	14	20	2	247	25	4	200	20	5	1,29
5	1,170	632	2,62	2,68	41	25	67	4	216	27	3	175	15	6	1,27
6	1,428	679	2,27	2,34	114	38	7	143	31	10	1	194	15	5	2,08
7-9	59	20	1,24	1,28	11	10	20	11	22	2	4	9	18		
10	14	4	2,61	2,63	0	33	1	6	6	33	1	6	3	17	
TOTAL	4,444	2,431	2,63	2,72	1175	63	142	4	1200	76	24	882	17	26	1,28
PROV.	1,028	486	2,34	2,42	44	22	89	0	558	24	4	94	9	13	1,29
NON-PROV.	3,416	1,945	2,62	2,68	1,131	41	53	4	642	52	20	788	10	13	1,27

THE GRADE POINT AVERAGES SHOWN HERE ARE THE OFFICIAL TRANSCRIPT GRADE POINT AVERAGES

Senate

(Continued from page 1)

The report continues:

"It appears that the mission of the specific campus is instrumental in accounting for differences among locations. This is indicated by use of the 1978-79 AAUP report on faculty salaries, in which Penn State average salaries were reported for the first time in accordance with AAUP institutional classifications by mission. These classifications were designed by the AAUP to facilitate comparisons among institutions of like missions. Penn State's campuses were reported according to the following categories: Type I—institutions granting doctoral degrees (University Park); Type IIA—institutions granting primarily baccalaureate and some advanced degrees (Behrend, Capitol, and Radnor); and Type III—institutions providing lower division baccalaureate instruction and granting two-year degrees (Commonwealth Campuses). These AAUP categories are consistent with Penn State's own interpretation of the missions of these educational units. . . ."

The tables show that for each rank, University Park average salaries, when compared with 10 other Type I

northeastern universities, are in the top half and are above the national average. For Radnor, Capitol and Behrend, when compared with 12 Type IIA institutions, the average salary at each rank is above the national average for the category.

Average salaries at Commonwealth Campuses were compared with those of 12 Type III two-year institutions, all of which are branch campuses of public universities. At the associate and assistant professor rank, the Commonwealth Campus average salaries are approximately at the median for the sample and slightly below the national average. The average salary for Commonwealth Campus professors is higher than the Type III national average and is the same as the national average at the rank of instructor.

An informational report on program evaluation criteria was presented by the Committee on Planning and Development. It notes: "Some of the lessons of the 1970's program reviews as well as of the 'Perspectives' priorities were that program evaluation criteria must be 1) integrated with University and college goals; 2) made part of the planning process at both program and college levels; and 3) that some standard, minimum set of data be gathered routinely across all programs. . . ." The report also offers a

preliminary discussion of design and implementation issues for program evaluation.

The Committee had also presented an earlier status report on the University's physical plant. It encouraged the Penn State administration to:

"1. Continue, insofar as possible, adequate funding for maintaining the present structures, attendant utility systems and landscape features, so that faculty, staff, students, alumni and friends may be proud of our physical plant.

"2. Be creative in establishing projects for University giving which would fund maintenance or rehabilitation of existing structures as opposed to building new ones, or any of the more visible projects in which interest can be aroused.

"3. Make expenditures necessary to solve problems while they are small and before they become large and costly.

"4. Consider for implementation such experiments as the 'dormitory democracy' of the University of Connecticut where lighter dormitory maintenance was taken over by students, with a decrease in cost and vandalism.

"5. Continue study of maintenance problems and their priorities."

Noting that 27 buildings at various campuses had been listed in this report as scheduled for demolition, Dr. M. Frank

Mallette, Committee chairman, pointed out that these were long-range rather than immediate projections.

The Faculty Rights and Responsibilities Committee offered its annual report on petitions submitted to it. Chairman Donald Olson noted that the Committee was not an appeals board and that its mandate was to review petitions only in the light of procedural fairness. Two petitions were received last year, but no formal hearing boards were established, Dr. Olson reported.

The Senate also offered a resolution congratulating Dr. Paul Baker, professor of anthropology, on his election to the National Academy of Sciences and commended the other Academy members on the faculty—Dr. Philip Skell, Evan Pugh Professor of Chemistry; Dr. Karl H. Beyer Jr., clinical professor of pharmacology at Hershey; and Dr. Bernard B. Brodie, adjunct professor of pharmacology at Hershey. Penn State's members of the National Academy of Engineering were also commended. They include: President Emeritus Eric Walker; Dr. Elburt Osborne, vice president for research emeritus; Dr. Rustum Roy, director of the Materials Research Laboratory; and Deans Nunzio Palladino (Engineering) and Charles Hosler (Earth and Mineral Sciences).

PS-23

(Continued from page 1)

Policy:

"The department committee will normally provide the first level of evaluation for tenure and promotion using criteria appropriate to the faculty member's responsibilities. The department head, after consultation, shall forward the committee's recommendation together with his or her own to the appropriate dean. If either the department committee or department head (or both) has (have) a positive recommendation for tenure or promotion, the dean shall forward all such recommendations to the college or University Libraries review committee for further consideration. If the negative recommendations on tenure from both the department head and the department committee are upheld, the college or University Libraries dean, shall notify the faculty member in writing (see Section IV.4); negative promotion decisions do not require such formal notification."

The following sentence was added: IN ALL CASES WHERE A CANDIDATE HAS PROFESSIONAL RESPONSIBILITIES IN MORE THAN ONE UNIT, THE RESPONSIBILITY FOR THE DEPARTMENTAL LEVEL REVIEW WILL LIE WITH THE UNIT REPRESENTING THE CANDIDATE'S HOME ADMINISTRATIVE AREA. EACH UNIT SHALL PROVIDE EVALUATIONS TO BE INCLUDED IN THE DOSSIER. SPECIALLY CONSTITUTED COMMITTEES ARE NOT NECESSARY TO ACCOMPLISH THESE REVIEWS.

The Committee explained its rationale thus:

"A significant number of the tenure-track faculty have professional responsibilities in more than one unit. In some cases, it has not been clear which unit has the primary responsibility for the evaluation. In fact, the University does designate a Home Administrative Area for each faculty member. However, even when a designated Home Administrative Area is known, there is a risk that the tenure and promotion evaluation process may not include input from the other units.

"While the dossier instructions address this problem, neither PS-23 nor the revised administrative guidelines for the promotion and tenure review process speak to this issue. The proposed

legislation clarifies this matter."

Recommendation 2 dealt with the composition of review committees. It added a paragraph (indicated by capital letters) to the existing policy.

"Department and college or University Libraries committees shall consist of members of the faculty selected by procedures approved by the faculty of those units and by the dean of the college or the University Libraries. Commonwealth Campus committees shall consist of members of the campus faculty selected by procedures approved by the faculty of the campus, the campus director, and the Dean of Academic Instruction for Commonwealth Campuses. The faculty of the unit concerned should determine the size of the review committee, but in no case should a review committee consist of fewer than three members.

IN ORDER TO INSURE CONTINUITY IN THE REVIEW PROCESS, THE PROCEDURES SHALL PROVIDE THAT SOME MEMBERS OF THE REVIEW COMMITTEE AT EACH LEVEL SHALL, WHERE POSSIBLE, SERVE FOR AT LEAST TWO YEARS, WHEN TERMS OF SPECIFIED LENGTH ARE USED. THE TERMS OF COMMITTEE MEMBERS SHOULD BE STAGGERED.

The Committee report noted that there may be serious discontinuities in the methods, values and philosophies of the peer review committees from one year to the next. The University-level committee requires staggered terms to assure a degree of continuity, and the above legislation brings department, campus and college committees into line.

Faculty Affairs' third recommendation was made to make explicit the idea that in case of negative recommendations for promotion at the initial level, a dean may uphold such a decision and not forward the recommendation to the College Committee. This is already what is done in practice for both tenure and promotion, but it is explicit only for tenure at the present time. The proposal as passed by the Senate (with the addition in capital letters) reads:

"The department committee will normally provide the first level of evaluation for tenure and promotion using criteria appropriate to the faculty member's responsibilities. The department head, after consultation, shall forward the committee's recommendation together with his or her own to the appropriate dean. If

either the department committee or department head (or both) has (have) a positive recommendation for tenure or promotion, the dean shall forward all such recommendations to the college or University Libraries review committee for further consideration. IF BOTH RECOMMENDATIONS ARE NEGATIVE AND ARE UPHOLD BY THE DEAN, THE NEGATIVE DECISION SHALL BE FINAL. If the negative recommendations on tenure from both the department head and the department committee are upheld, the college or University Libraries dean shall notify the faculty member in writing (see Section IV.4); negative promotion decisions do not require such formal notification."

The final proposal passed by the Senate was offered by the Committee to make it impossible for a candidate for promotion or tenure to be denied review by the academic department if the campus committee and the director both make negative recommendations and if the dean of the college and the Dean of Academic Instruction for Commonwealth Campuses choose not to forward the dossier. "PS-23 should guarantee that a faculty member at a Commonwealth Campus will receive both campus and departmental review," the Committee report said. (Capital letters indicate additions; italics, deletions.)

"In the case of a faculty member on the Commonwealth Campuses, although a review may be initiated at the departmental level, the evaluation by a faculty committee on the campus will normally be the initiation point and a part of the first level of evaluation. The campus director or appropriate academic officer, after consultation, shall forward the campus committee's recommendation together with his or her own to the office of the dean of the respective college or University Libraries and to the Office of the Dean of Academic Instruction for Commonwealth Campuses. If either the campus review committee or the campus administrator (or both) has (have) made a positive recommendation the office of The College or University Libraries dean shall forward such THE CAMPUS recommendations to the department head for review by him or her and by a department review committee, which for such cases should include majority representation of Commonwealth Campus faculty. The department head, after consultation, shall forward the committee's recommendation together with his or her own to the office of the dean of the college or University

Libraries, and the dean's office shall forward all four campus and department recommendations to the college or University Libraries review committee. When it has been judged appropriate by a department and the respective dean of the college or University Libraries, in consultation with the Dean of Academic Instruction for Commonwealth Campuses, the college or University Libraries dean may transmit the recommendations directly to a college or University Libraries review committee. If the recommendations from the campus committee, and the campus administrator, THE DEPARTMENT COMMITTEE AND THE DEPARTMENT HEAD are both all negative, the college or University Libraries dean and the Dean of Academic Instruction for Commonwealth Campuses shall jointly determine whether to uphold the negative recommendations, or transmit them for further consideration. If either the college or University Libraries dean or the Dean of Academic Instruction for Commonwealth Campuses determines that further review is appropriate, the recommendations shall be forwarded to the next level of review. If the negative recommendations on tenure from both the campus and THE DEPARTMENT committee and campus administrator are upheld by the deans, the Dean of Academic Instruction for Commonwealth Campuses shall notify the faculty member accordingly in writing (see Section IV.4); negative promotion decisions do not require such formal notification."

Funding Sources

For further information, call 865-1372

(337-1) The Resource Information Service (RIS) provides information to faculty and staff to support their mission of obtaining project funding for instruction, research, continuing education and for fellowships. RIS is the liaison between Penn State and the Office of Federal Programs (OFF/ASCU), Washington, D.C. OFF provides Penn State with continuous monitoring of public and private agencies. RIS reviews subscribed information from numerous sources, including the Federal Register and the Commerce Business Daily, and receives direct mailings from agencies concerning their programs. RIS makes direct (unsolicited) information distributions to faculty and staff to promote awareness of public and private programs, responds to faculty/staff inquiries about programs and contacts; and through a Preliminary Proposal Outline (PPO) mechanism, locates support funds. For detailed information about RIS assistance, contact: M.R. Kohler, Room 3 Old Main, 865-1372 (Network 8-475-1372).

News in Brief

Work on Shortlidge Road to continue through June

Improvements to Shortlidge Road at University Park are necessitating one-way traffic patterns on portions of the street, according to Howard O. Triebold, Jr., manager of University Safety Services.

The construction work, under contract to Herbert R. Imbt, Inc., of State College, is scheduled for completion by Friday, June 27, weather permitting. The improvements involve resurfacing the roadway and replacing deteriorated curbing.

Although the work will affect Shortlidge Road in its entirety — from College to Park avenues — one-way traffic is being confined to one-block areas within the boundaries of immediate construction activity, Mr. Triebold said.

To further accommodate traffic and bus routes, Curtin Road between Shortlidge and Bigler roads has been opened to vehicles during the construction period. The removal of vehicular barriers to the segment of Curtin Road between Shortlidge and Bigler roads will also permit access to parking lots whose usual entrances may be closed temporarily, particularly the Blue A and K lots.

Work on Shortlidge Road between Curtin and Park also will affect access to the Green D, C and J lots, but affected faculty and staff members may park in any open staff lot during that time, Mr. Triebold said.

Senate chairpersons selected for coming year

Standing committee chairpersons for the 1980-81 Senate year were announced at the June 3 meeting. They are:

Academic and Athletic Standards: John F. Kavanaugh, chairman; George A. Etzweiler, vice-chairman;

Academic and Physical Planning: M. Frank Mallette, chairman; Donald C. Rung, vice-chairman;

Admissions, Records, and Scheduling: E. Emory Ensore Jr., chairman; Janet Atwood, vice-chair;

Commonwealth Campuses and Continuing Education: Carter L. Ackerman, chairman; Sara L. Whildin, vice-chair;

Curricular Affairs: Robert W. Carubba, chairman; Eugene S. Lindstrom, vice-chairman;

External Affairs: Ernest L. Bergman, chairman; Nunzio J. Palladino, vice-chairman;

Faculty Affairs: Cara Lynne Schengrund, chair; Manfred Kroger, vice-chairman;

Libraries: Philip A. Klein, chairman; Leon J. Johnson, vice-chairman;

Research: John D. Martz, chairman; Daniel R. Frankl, vice-chairman;

Student Affairs, Awards and Scholarships: Robert C. Baldwin, chairman; Thelma J. Baker, vice-chair; **Undergraduate Instruction:** Richard L. McCarl, chairman; Robert J. Heinsohn, vice-chairman.

'Good Doctor' opens June 19

The Penn State Festival Theatre opens its 1980 season on Thursday, June 19, with Neil Simon's comedy, *The Good Doctor*. The show, which runs through July 6, is a change of pace from the earlier comedies with which Simon's name has been associated. In this work, he brings nine of Anton Chekhov's short stories to life on stage.

The Good Doctor is directed by William James Kelly, assistant professor of theatre and film, who also directed last Spring's production of *The Taming of the Shrew*. The script calls for five actors to play the 23 roles in the show, and Professor Kelly has brought together a group of familiar and new faces to meet the challenge.

Ken Jenkins, whose energetic Petruchio was a favorite of "Shrew" audiences, returns in the role of the Narrator. Peg French and Charles Roney are also familiar to Penn State audiences. French appeared last season in URTC productions of *Shadow Box*, *You Can't Take It With You*, and *Inmates of the Convent of St. Mary Egyptian*. Charles Roney returns for his second season at Festival Theatre, having appeared last season in *Absurd Person Singular* and *Boy Meets Girl*.

The cast is rounded out by two newcomers to Penn State — Julie Nesbitt and Haskell Gordon. Nesbitt's New York work includes *Getting Out* and *The Last Day at the Dixie Girl Cafe*. Haskell Gordon appeared on Broadway as John Hancock in 1976 and in the national company of *Chicago*.

The Good Doctor plays at the Pavilion Theatre June 19-22, 24-29, and July 1-6. To reserve tickets, call the Festival Box Office at (814) 865-1884. Tickets are also available for upcoming shows — *Po Jolay*, *Al, Wilderness!*, and *Can't Help Lovin' Dat Keren*.

Penn State Scholars to visit June 16-17 and 19-20

More than 810 outstanding high school students have been nominated to visit the University Park Campus in June as part of the Penn State Scholars Program. One group will visit June 16 and 17, and a second group on June 19 and 20.

The Scholars program, initiated in 1975 to recognize and encourage excellence in academic scholarship, provides an opportunity for top students in and near Pennsylvania to meet with Penn State faculty members and current students. Accompanied by their parents, the high schoolers get a chance to discuss career opportunities, academic programs, and other campus activities. They will also compete for some 30 Penn State four-year scholarships.

The students, who are nominated for the program by their high school principals, are the top academic students in the junior classes of their respective schools. Last year, more than 100 students were offered full or partial tuition scholarships.

Each year, approximately one-third of the participants enroll at Penn State.

Three faculty members receive fellowships

Three members of the faculty have been awarded Provost's Fellowships to participate in the Institute for Administrative Advancement (IAA) at the University of Wisconsin-Madison July 20 to Aug. 8.

The recipients are Suzanne K. Getz, assistant professor of human development at Mont Alto; Suzanne Striedieck, senior assistant librarian and chief, Serials Department; and Patricia A. Ward, associate professor of French and comparative literature.

The three-week intensive IAA seminar is designed to prepare qualified faculty members for administrative posts in higher education administration.

A member of the faculty since 1976, Dr. Getz earned her B.S. in psychology at Penn State in 1972 and was elected to Phi Beta Kappa. Her Ph.D. in child psychology was granted by the University of Minnesota — Institute of Child Development, and her research interests center around preschool children — their behavior, the influence of socialization agents on them, and their interaction with the social environment.

Dr. Getz serves as chair of the Mont Alto Campus Faculty Association, as a member of the College of Human Development Dean's Budget Review Committee, and as Dean's Representative for the College.

Ms. Striedieck holds a bachelor's degree from Penn State in political science (1966) and an M.L.S. from the University of Pittsburgh. She was a serials cataloger at

Publications data should be turned in

Members of the faculty who wish their publications and professional activities listed in the University's annual bibliographies should send this information to their department heads, research deans, or intercollege research unit directors.

Detailed instructions for the submission of these listings were given in a May 1 memo from Dr. R. G. Cunningham, vice president for research and graduate studies. Copies of this memo are available from department heads or research deans.

Commonwealth Campus faculty members should send their listings to their department heads at University Park, with a copy to their Campus directors and Commonwealth Campus deans.

Contributions should be in the department heads' hands in sufficient time to reach the office of the Vice President for Research and Graduate Studies by July 31.

The bibliography is printed in two publications, *Research Publications and Professional Activities* and *University Publications and Reports to Agencies*. To be included are research papers and articles, books that have been reviewed and printed by established publishers, substantive and/or final reports sent to state and federal agencies, information materials (articles and reports printed in non-standard journals), and novels, short stories, musical compositions, exhibits of fine arts, inventions patents and any other activity that meets recognized standards of excellence in its field.

Football applications due

Applications for faculty/staff football season tickets are available at the Athletic Ticket Office, Room 237 Recreation Building. Full-time University employees who do not already have faculty/staff season tickets can order a maximum of two tickets.

Faculty/staff members who ordered season tickets last year should have reordered their tickets by this time. Anyone who had seats last year and wants them again this year should return the application immediately.

Pattee from 1969 to 1975, leaving to head the Serials Department at SUNY-Buffalo's Libraries. She returned to Penn State in 1977.

In addition to her departmental responsibilities, she is a member and served for two years as chairman of the Libraries Systems Liaison Council, which is overseeing the Libraries' automation of its procedures. She is also a member of the Library Faculty Organization Council and chaired its Ad Hoc Committee on Constitutional Revision. From 1977 to 1979, she served on the Libraries Planning Committee.

A graduate of Eastern Nazarene College, Dr. Ward earned her M.A. and Ph.D. at the University of Wisconsin-Madison. She held a Fulbright Fellowship at the Sorbonne in Paris during 1966-67. The following year she was named an assistant professor of comparative literature at SUNY-Albany, leaving there in 1972 to come to Penn State. She has served as acting head of the Department of French, a position she will hold again during the coming academic year, and as acting director of the Comparative Literature Program.

An active scholar, Dr. Ward is the author of many articles and of two books, *The Medievalism of Victor Hugo* and *Joseph Joubert and the Critical Tradition: Platonism and Romanticism*. She has also been active in professional organizations, serving as vice-president of the National Conference on Christianity and Literature.

Elsewhere in Academe

The Florida legislature is considering recommendations by a joint legislative-executive commission on post-secondary education for gradual elimination of remedial programs at the college level over the next 10 years. The panel urged "vastly improved" remedial programs in elementary and high schools.

In Utah, the University of Utah accepted a faculty senate recommendation that no student may receive a B.S. degree without earning credit for at least one college-level algebra course. The university, which has an open admissions policy, also announced that it will no longer give credits for remedial math courses.

Total graduate enrollment at state universities and land-grant colleges declined by 0.6 percent between Fall '78 and '79, according to data submitted by 139 of the 141 members of the National Association of State Universities and Land-Grant Colleges. These schools reported a total graduate enrollment of 463,774. The drop in graduate enrollment occurred at a time when undergraduate enrollments at the same institutions rose 2.5 percent. Ivy League institutions such as Harvard and Princeton have also reported fewer graduate applications.

The number of women enrolled at the graduate level in the land-grant institutions continues to grow — up more than 1 percent between '78 and '79 for a total of 212,986. The number of male students dropped 2 percent to 250,788.

Included in this year's authorization bill for the National Science Foundation appropriation is a provision for \$23 million in fiscal 1981 to be allocated to encourage girls and young women to pursue careers in science and mathematics. Recommended by the U.S. Senate Subcommittee on Health and Scientific Research, this proposal would create a number of special education projects, including training programs for teachers and counselors, graduate and postgraduate fellowships and retraining programs for women scientists wishing to re-enter the labor market.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 675-1387). Applications for these staff vacancies will be accepted until 5 p.m., June 19, 1980. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

APPLICATIONS ANALYST/PROGRAMMER-OFFICE OF PLANNING & BUDGET, University Park Together with the Lead Applications Analyst/Programmer conduct analyses of data processing and customer data problems and needs. Determine detailed requirements to solve problems and prepare computer programs and systems to achieve desired ends. Baccalaureate degree or equivalent experience in computer systems. One to two years of effective experience in computer programming and analysis required. Knowledge of PL/I and Algol programming languages and structured programming techniques is helpful.

SYSTEMS ANALYST — MANAGEMENT SERVICES, University Park Responsible for assisting customers/users in defining information handling problems, in assessing plausible alternative technical solutions, and in specifying system design which can be effectively implemented within the processing technologies available to Management Services; also responsible for planning and assisting in Public Service Program Analysis and Programmers and assisting in their education program. Specific functions of this position include fact-finding (data gathering and analysis), task planning, cost-benefit and feasibility studies, systems documentation, information flow and utilization analyses, etc. Bachelor's degree or equivalent, with training in computer systems and systems planning, plus two to four years of effective experience in data processing. Applications experience in IMS DB/DC is desirable.

Penn State Intercom



Jim Barnhart uses Pattee's closed circuit television reader.

University Libraries strengthen services for persons with visual and other handicaps

Three years ago Jim Barnhart didn't need the University Libraries' services for the visually handicapped. Then tumors developed on his optic nerves. His 20/20 vision became 20/600 in the left eye and "able to sense light" in the right eye.

Now the equipment in Room 7 of Pattee Library helps keep him in school.

It includes: A Perkins braille typewriter, an eight-RPM record player, a tape recorder/player specially designed for the visually handicapped, a large-type typewriter, a closed-circuit television reader, large mounted magnifying glasses called optical viewers, and miscellaneous aids and appliances for handicapped users.

Also the Libraries will soon acquire a portable closed-circuit unit with microphone attachment which will enable visually handicapped students to tap the vast resources of Pattee's microfiche holdings.

"Jim's case shows that any one of us can become severely handicapped without warning," says Charles H. Ness, assistant dean of the Libraries, adding:

"Although the number of Penn State students and employees using services at this time for the visually handicapped is small—eight to 10 at most—we view the continuous build-up and strengthening of our program as quite important."

Jim Barnhart is a sophomore business logistics major. When he had full sight, he was a surveying technology student at Mont Alto Campus, but he changed careers soon after his loss of vision.

"The service for the visually handicapped provided by the Libraries is one of the main reasons why I'm doing fairly well in studies at University Park," he says, "along with the confidence I've developed in this year that I can do anything I want to do."

Jim uses the closed circuit television in Room 7 for some of his reading. A camera focuses on the printed page which is then enlarged on a television screen. The user focuses the camera, make the print large or small, and move the printed page as he or she reads.

Other services available to the visually impaired include the loan of tape cassette records, blank tapes, and large print. As a talking calculator is also available for use by students, according to Dean Ness.

"We've been helped immeasurably by such groups as Delta Gamma Sorority and the Faculty Women's Club," he says.

"Recently, the Delta Gamma Alumnae of State College helped purchase an entire 72-volume braille dictionary for the University Libraries. They've also contributed funds for many of the other aids to the visually handicapped which we now have, including the tape recorders used by the Faculty Women's Club."

Sight conservation and aid to the visually handicapped is the national philanthropy of Delta Gamma, according to Mrs. Diane Knight, local chapter president.

Members of the Faculty Women's Club record textbook-related materials for handicapped students. The students request specific books or articles to be read. This academic year, nearly 100 such requests were received and filled.

"Penn State is one of the few institutions of higher learning I am aware of which has a coordinated program with an association such as the Faculty Women's Club to record materials for handicapped students," Dean Ness says.

"Although the number using the service is small, the amount of work just one or two students generate can be very great. A student, for example, might at one time keep as many as 10 volunteer readers busy recording books and articles not otherwise available."

The University Libraries perform another function for the visually impaired, according to Dean Ness, by trying to familiarize students with the broad range of services and materials for handicapped readers on the state and national levels.

Special education majors in the College of Education have also benefited from attending seminars in Pattee where equipment and aids for the handicapped are demonstrated.

Dean Ness, who was formerly director of the U.S. Regional Library for the Blind and Physically Handicapped in Philadelphia and who is also a member of several national committees on the handicapped, notes that the visually handicapped are not the only persons served through library efforts.

A communicator for the deaf and speech-impaired is available, for example.

(Continued on page 6)

Temperament study to move to Penn State

The New York Longitudinal Study—the oldest human temperament study extant—will be moved to Penn State during the next several years.

The study's records and data banks will be housed in the Individual and Family Studies (IFS) program in the College of Human Development.

Co-directors of the study will be Dr. Richard M. Lerner, associate professor of child development, and Dr. Jacqueline V. Lerner.

"In effect, we've already begun to do work on the project," Professor Lerner says. "Right now we're starting to move copies of the records to Penn State, but the entire process will take several years."

Launched in 1956, the New York Longitudinal Study was designed by Stella Chess, M.D., and Alexander Thomas, M.D., of the New York University Medical Center, where the study has been housed for 24 years.

Drs. Chess and Thomas were convinced that individual differences in behavioral styles and reactions are exhibited from birth, and that this temperamental individuality plays a significant role in normal and deviant psychological development. At the time, this view ran counter to the conventional wisdom, which placed decisive and even exclusive emphasis on the role of the mother and, secondarily, on other intra- and extra-familial environmental influences.

Following 133 subjects from early infancy onward, Drs. Chess and Thomas and their multidisciplinary research team have found evidence confirming their view that development is shaped neither by temperament nor other intrinsic factors alone, but always by a continuously evolving organism-environment interactional process.

Currently, the researchers are completing a follow-up of the NYLS sample to determine consistencies of temperament from childhood to early adulthood and the influence of temperament in these two age periods of psychological functioning.

Dr. Lerner became acquainted with the

(Continued on page 8)



Dr. Scanlon

State officer to speak July 12

Dr. Robert G. Scanlon, Pennsylvania's secretary of education, will be the first speaker for the summer lecture series sponsored by the College of Education Alumni Society and by Phi Delta Kappa, a professional education fraternity.

Dr. Scanlon will speak on "School Improvement: Higher Education's Challenge" at 11:10 a.m. Thursday, July 3, in Room 112 Kern Building. He will be introduced by Dr. Henry J. Hermanowicz, dean of the College of Education.

"Every school a good school" is Dr. Scanlon's stated goal. He says it can be reached by building partnerships among all involved in education. Dr. Scanlon pays site visits to schools two days each week to help learn first-hand what's going on in schools and how to make them better.

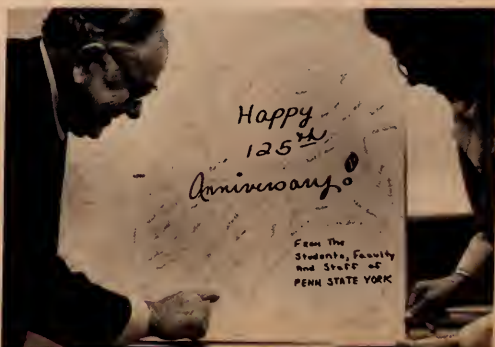
He has spent nearly 30 years as a teacher and administrator. Before being named secretary of education last year, he was executive director of Research for Better Schools in Philadelphia.

He received his doctorate from the University of Pittsburgh and his master's and bachelor's degrees from Duquesne University.

Dr. Scanlon's talk will be one of four lectures sponsored this summer by Education's Alumni Society and Phi Delta Kappa to commemorate Penn State's 125th anniversary.

On July 15, Dr. Kenneth Mortimer,

(Continued on page 5)



President Oswald and his executive secretary, Mary Lou McCorkle, admire a giant card signed by members of the York Campus faculty, staff and student body and sent to Dr. Oswald.

Penn Staters

Dr. John C. Snowdon, professor of engineering research at ARL, is the recipient of the Acoustical Society of America's Trent-Crede Medal for 1980. The medal recognizes Dr. Snowdon's "multi-faceted activities in the field of mechanical vibrations and shock, as an outstanding teacher and lecturer, author, and researcher" during the past 26 years.

Born and educated in London, Dr. Snowdon was awarded the Ph.D. from the University of London and the Diploma of Imperial College in 1956. In 1965, the University of London conferred the degree of Doctor of Science on Dr. Snowdon in recognition of his research accomplishments.

Dr. Snowdon is the author of numerous scholarly articles, as well as of a graduate text and reference book, *Vibration and Shock in Damped Mechanical Systems*. He was selected president-elect of the Acoustical Society of America in 1976, but was unable to serve his term as president in 1977 because of illness. He has been a Penn State faculty member since 1961.

Dr. Stanley Rosen, professor of philosophy and fellow of the Institute for the Arts and Humanistic Studies, presented several lectures during the past spring. At Harvard University, he discussed "Nihilism: Ten Years After." His topic at Boston University was "Dynamism, Energeia, and the Megarians"; and at Vassar College he spoke on "Strauss's Hermeneutics." Dr. Rosen has also been appointed to a three-year term on the Committee on International Cooperation of the American Philosophical Association.

Baritone Robert Trehy, professor of music, played the parts of the Old Prince and General Rayevsky in four performances of Prokofiev's *War and Peace*, which was produced by Sarah Caldwell's Boston Opera Company and conducted by William Fred Scott. He was also featured in three performances in Heinz Hall with the Pittsburgh Symphony in a program titled "An Evening of Lerner and Loewe." Appearing with Mr. Trehy were tenor Jon West and soprano Bonnie Murray.

Professor Richard L. Frautschi, head of the Department of French, has been awarded an International Research and Exchanges Board grant for research in Poland and Czechoslovakia in 1981 and also a Camargo Foundation Fellowship, Cassis, France. He will pursue research on a supplement to a bibliography of eighteenth-century French prose fiction.

Dr. Allen T. Phillips, professor of biochemistry, has been appointed to a second five-year term as an editor of the *Journal of Bacteriology*, published by the American Society for Microbiology (ASM). He is responsible for manuscripts submitted in the areas of enzymology and microbial metabolism.

Samuel P. Bayard, professor emeritus of English and comparative literature, has been awarded the honorary Doctor of Literature degree by Waynesburg College. Professor Bayard, who retired in 1973, continues to teach one or two courses each year and in 1977 received the award for emeritus distinction from the College of the Liberal Arts Alumni Society.

Dr. Kathryn L. Towns, associate professor of educational psychology at the Capital Campus, was re-elected co-convenor of the National Women's Studies Association for 1980-81 at its annual May conference, held at Indiana University at Bloomington.

Dr. Inyong Ham, professor of industrial engineering, received the 1980 Systems Division Award from the American Institute of Industrial Engineers at the AIIE Conference held in May in Atlanta.

William R. Schmalstieg, professor and head of the Department of Slavic Languages, has been chosen president-elect of the Association for the Advancement of Baltic Studies, a 900-member international scholarly organization devoted to the study of the history and culture of the Baltic republics. Professor Schmalstieg, who will assume his duties as president in 1982, is the author of several monographs and numerous articles in the Baltic field and is the co-author of *An Introduction to Modern Lithuanian*, the third edition of which has just appeared.

Dr. Moylan C. Mills, associate professor of English, humanities and the arts at the Ogonitz Campus, has been chosen as president-elect of the Pennsylvania Division, American Association of University Professors. Dr. Mills, who was program chairman at the Association's recent state meeting in Harrisburg, will assume the presidency in 1982.

Three faculty members and a student in the Department of Landscape Architecture received an honorable mention award of \$3,000 in the Milwaukee Lakemont Planning and Design Competition. Associate professors A. Mark Battaglia and James R. DeTuerk, assistant professor Daniel R. Jones, and senior Daniel B. Burke were among the 140 contestants who submitted usage plans for an undeveloped tract of land along Lake Michigan, adjacent to Milwaukee's central business district.

William Toombs, professor of higher education and research associate in the Center for the Study of Higher Education, participated in a seminar at Simon Bolivar University in Caracas, Venezuela, on the occasion of the tenth anniversary of the institution. In addition to his conference paper entitled, "Interdisciplinarity in General Education: Problems in Program Design," Dr. Toombs conducted three seminars under the auspices of the Ministry of Education at Colegio Universitario Francisco de Miranda for faculty from these emerging three-year institutions.

Dr. Frank J. Swetz, professor of mathematics and education at Capitol, will serve as a visiting professor in the Department of Education at the National University of Malaysia from June 1980 through June 1981. In addition to conducting research on mathematics learning in Malaysia, he will assist in curriculum and program development at the university.

Dr. Natalie K. Isser, associate professor of history, and Dr. Lita L. Schwartz, professor of education psychology, both at the Ogonitz Campus, will present papers at the Sixth International Conference on Improved University Teaching in Lausanne, Switzerland, in July. Dr. Isser's topic will be the ethical dimensions in teaching the social sciences; Dr. Schwartz will speak on "Perspectives on Tying Research to Teaching."

Dr. Judith Newman-Hornblum, assistant professor of human development at Ogonitz, was elected secretary of the Jean Piaget Society at its Tenth Annual Symposium last month. The international society of educators continues Piaget's research into the stages of intellectual development in children and adults.

Dr. Joan Sulewsky, associate professor of obstetrics and gynecology at Hershey, has been elected to the board of directors of the Visiting Nurses Association.

Dr. James C. Wambold, associate professor of mechanical engineering, has been named chairman of the Subcommittee on Methods for Analyzing Pavement Profile and Roughness Measurements for the Committee on Traveled Surface Characteristics of the American Society of Testing Materials.

Dr. Frank Melone, assistant professor of psychology and head of the Career Development and Placement Center at Ogonitz, has been voted president-elect of the Philadelphia Society of Clinical Psychologists. He will assume the presidency in 1981 for a two-year term.

Dr. C. Dennis Pegden, associate professor of industrial engineering, received the 1980 Dow Outstanding Faculty Award from the Middle Atlantic Section of the American Society for Engineering Education.

Dr. Carson W. Veach, Altoona Campus director, has announced the appointment of Robert L. Smith as associate director for administration. Long-time business manager and financial officer, Mr. Smith has been a part of the Campus since its founding as the Altoona Undergraduate Center in 1939. He is an associate professor of economics. Mr. Smith holds bachelor's and master's degrees from Penn State.

Nancy Cline, associate librarian and head of the Documents Section, is the 1980 recipient of the Award for Outstanding Contribution to the University Libraries.

She was recognized for "her national preeminence in the fields of government documents and microforms and in appreciation of her constructive leadership and enthusiastic participation in many activities furthering the mission of University Libraries System."

Ms. Cline has headed the Documents Section since 1971. She has held several offices in the American Library Association and served as chairman of its Government Documents Round Table from 1976 to 1978. In 1976, Ms. Cline was appointed to the Public Printer's Council on Micropublishing and became chairman of the Council in 1979. From October 1977 until September 1979, she held an appointment by the U.S. Public Printer to the Depository Library Council and chaired its Committee on Micrographics.

Ms. Cline holds A.B. and M.L.S. degrees from UC-Berkeley.

Dr. Neil Mercado, assistant professor of biology, was named Outstanding Teacher for 1979-80 at Ogonitz during recent honors ceremonies. Joseph C. Meyers, assistant professor of speech communication at the Campus, was named Outstanding Advisor at the same program.

Michael R. Lynch, a 1945 graduate of the University and a retired associate professor of agriculture and coordinator of Extension staff development, was honored with the 1980 Lions Paw Medal by the Lion's Paw Alumni Association during Alumni Reunion Weekend for his work in compiling and presenting a slide photograph history of the University. Complete with music and narration, he has presented the show, "For the Glory of Old State," more than 600 times to alumni clubs, reunion classes, and various other groups.

Promotions

Staff Exempt

Rosalie Bloom-Brooks to unemployment compensation officer in Personnel Administration.

William B. Devlin to manager of personnel in Agriculture.

Robert L. Maney to employee relations officer in Personnel Administration.

Nancy H. Miller to assistant to the dean for public relations and broadcasting activities in Arts and Architecture.

Clerical

Carol E. Brobeck to secretary B in Engineering.

Helen D. Brouse to clerk, scheduling A in Registrar's.

Martha Daley to secretary B in Liberal Arts.

Dorren T. Diehl to secretary C in Science.

Linda C. Garrick to clerk records A in Liberal Arts.

Carol M. Hayes to cashier-check cashier in Penn State Bookstore.

Barbara Prucey to clerk typist A in Physical Plant.

Beth A. Ream to clerk stenographer A in Engineering.

Jacquelyn L. Watson to clerk A - lending services in Libraries.

Technical Service

John J. Ceccarelli to utility worker at Nittany Lion Inn.

Thomas Cox to boiler operator in Physical Plant.

Carl G. Fidora to mechanic A in Housing and Food Services.

Dennis Marince to offset duplicator operator in Agriculture.

Wayne Mills to group leader, janitorial worker (night) at Capitol.

Harry Pense to coal and ash equipment operator in Physical Plant.

Eugene B. Tyson to preventive maintenance worker in Physical Plant.

Obituaries

Dr. Albert F. Buffington, professor emeritus of German, died June 18. Widely known throughout Pennsylvania as an authority on Pennsylvania German folklore, he served on the faculty from 1945 to 1965 and was the author of *Early Pennsylvania German Dialogues and Plays* and co-author of *Songs Along the Mahantong and The Pennsylvania Germans*.

A graduate of Bucknell University, his M.A. and Ph.D. were conferred by Harvard.

Rhoda Cable, a maid at the Nittany Lion Inn from 1957 to 1964, died June 16 at the age of 80.

Thomas E. Hile, an employee of the Office of Physical Plant from 1964 to 1976, died June 16. Born April 4, 1914, in Burnham, Pa., Mr. Hile worked as a janitor and as a boiler operator.

Ruth M. Tressler, a maid with Housing and Food Services from 1951 to 1960, died June 17 at the age of 82.

Anna Hartscock, a counterwoman and relief cook with Housing and Food Services, died June 12. Employed from 1950 to 1961, she was 85.

Wilbur B. Hoy, a pharmacist at the Ritter Health Center from 1947 to 1963, died June 16 at the age of 82.

Carroll S. Shaffner, an assistant in animal science in the College of Agriculture from 1950 to 1971, died June 7. A native of West Union, Ill., he was 73.

Thomas H. Franklin Sr., a dining hall worker with Housing and Food Services from 1953 to 1969, died June 5. The Huntingdon, Pa., native was 72.

J. Richard Hanscom, an equipment attendant with the College of Health, Physical Education and Recreation from 1937 until 1961, died June 7. Born in Tyrone, Pa., he was 89.

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From left: Professors Forster, Knoll, Beatty, Hicks, Walcher, Withall, Brickman and Wheeler.

Retirements

On June 29, Dr. Kent Forster, professor of European history and since 1970 head of the Department of History, will retire with emeritus rank.

Dr. Forster earned his A.B. at Washington and Lee University in 1937 and his M.A. and Ph.D. in history at the University of Pennsylvania. He joined the Penn State faculty immediately upon completion of his Ph.D. in 1941. After teaching for two semesters, he served with the Armed Forces, returning to campus in 1944.

Following a summer in 1948 with The American Friends Service Committee's trans-Atlantic Shipboard Orientation Program, and an assignment the next year with the New School for Social Research's study abroad program, Dr. Forster became committed to international education at Penn State. In 1950 he was resident director in Britain for Penn State's first Summer Seminar in Europe. One of four faculty members selected by President Milton S. Eisenhower, he helped to organize and teach the interdisciplinary courses in International Understanding developed in the 1950s. Director of Penn State's Summer Workshop on International Understanding in 1957 and 1958, he became a member of the original faculty committee which launched the present-day Penn State International Study Programs.

In 1967 he accompanied, as faculty advisor, the Penn State students going to the University of Cologne and the University of Strasbourg. Meanwhile, Fulbright lectureships at the University of Helsinki (1956-57), the University of Vienna (1961-62), and service with West Germany's Falkenstein Seminar for German gymnasium teachers (1962) afforded him an opportunity to work with European students. Subsequently, he held visiting professorships in European history at the American University of Beirut (1967-68) and the University of Nairobi (1976-77). He also taught at Bowling Green State University and the University of Alaska and has been a guest lecturer at the Universities of Copenhagen, Graz, Belgrade, Sarajevo, and a number of American institutions.

Dr. Forster drew extensively on his first-hand European experiences in his teaching of modern European history courses at Penn State and in 1959 was the recipient of the Christian R. and Mary F. Lindback Award for Distinguished Teaching. His research interests have been in the field of European diplomatic history, with special emphasis in recent years on Finnish-Russian relations. In 1970 he held an American Philosophical Society grant for research in Finland.

He is the author or co-author of five books, 30 professional articles and reviews, and of a number of other publications. He serves on the editorial boards of *The Historian* and of the Penn State Press.

Dr. Forster expects to remain in the Penn State community continuing his work in Finnish-Russian relations and offering an occasional course in history.

Dr. Alice F. Beatty, professor of biology and entomology at the DuBois Campus is retiring June 30 with emeritus rank. Dr. Beatty has been a faculty member since 1956, when she began teaching part-time. She assumed a full-time position in 1964.

She holds B.S. and M.S. degrees from Southern Methodist University, and a Ph.D. from Louisiana State University. Prior to coming to Penn State, she was an

instructor at Ward Belmont College, Highland Junior College and Arlington State College, and an assistant professor from 1948 to 1956 at East Texas State College.

Dr. Beatty, who served as the Biology Club sponsor at DuBois, directed marine biology fieldtrips each March from 1967-72 as well as Great Smoky Mountain National Park Wildflower Pilgrimages from 1970-73. She has served on numerous Campus and University committees. Her research interests have included the morphology, taxonomy, and ecology of Odonata of Mexico, Texas, Pennsylvania and E. Canada, as well as *Drosophila* cytogenetic research, and study of osmo-regulation in marine invertebrates, plant taxonomy, biogeography and environmental biology.

After more than 30 years of service, Arthur D. Brickman, professor of mechanical engineering, is retiring June 30 with the rank of professor emeritus.

Dr. Brickman joined the faculty in 1946 as an instructor, becoming a full professor in 1964. He received his B.S. from the University of Minnesota and an M.S. from Penn State. Taking a leave of absence between 1951 and 1953, he served as an assistant professor at the Massachusetts Institute of Technology. From 1961 to 1963 he was a National Science Foundation Fellow at the University of Michigan where, in 1963, he received a Ph.D.

In 1967, he won the Christian R. and Mary F. Lindback Award given by the University each year for outstanding undergraduate teaching. He also received, in 1964, the Western Electric Fund Award for excellence in teaching, presented by the Allegheny Section of the American Society for Engineering Education.

At Penn State, Dr. Brickman pioneered the development of senior and graduate courses in automatic control; introduced scale-model equipment for studying shock and vibration effects in machinery; and was instrumental in the establishment of his department's Dynamic Simulation Laboratory.

Over the years he has published about 25 technical articles and papers. Also, he is the co-author, with E.E. Ambrosious and R.D. Fellows, of a textbook, *Mechanical Measurements and Instrumentation*.

His research areas have included the design of hydrodynamic transducers, evaluation of highway surface roughness, and instrumentation for the artificial heart.

Dr. Floyd W. Hicks, professor and chairman of poultry science extension, will retire July 1 with more than 17 years of service. He will hold emeritus rank. Prior to his appointment at Penn State, he served 16 years on the extension staff at Michigan State University, where he earned B.S., M.S. and Ph.D. degrees.

In the area of poultry science, Dr. Hicks has emphasized educational and field study programs dealing with poultry management through environmental control. He is co-author of *Pennsylvania Poultry Handbook and Poultry Science Topics* and the author of numerous technical papers and popular articles.

An advisor to Pennsylvania's Poultry Federation and Gamebird Breeders Association, he was a poultry consultant to the United Arab Emirates. At Penn State, Dr. Hicks served in the University Faculty Senate. His efforts in behalf of the State's poultry producers were recognized in 1975 when he received the Allied Industryman of the Year Award from the Pennsylvania Poultry Federation.

Dr. Marjorie M. Knoll, professor of family economics and home management, will retire with emerita rank on June 30.

She came to Penn State in 1962 as professor and head of the Department of Home Management, Housing and Household Equipment in the then College of Home Economics.

Dr. Knoll has published numerous journal articles, reports, and monographs and is co-author of the textbook *Management for Modern Families*, now in its fourth edition. Her research interests include the economic benefits of family/household membership, family decision-making in allocation of resources, and goal-oriented behavior of families and/or households.

After teaching in Nebraska public school systems for 12 years, Dr. Knoll started her academic career in 1947 as an instructor in home management at Michigan State University. Having earned her Ph.D. in household economics and management at Cornell University in 1954, Dr. Knoll joined the faculty there as an assistant professor, receiving subsequent promotions to full professor.

Dr. Knoll earned her B.S. in home economics and her M.A. in family economics at the University of Nebraska, which in 1973 honored her as an outstanding alumna.

Dr. Knoll will continue to reside in State College after her retirement.

Dr. Frank J. McArdle, professor of food science, will retire June 30 with the rank of professor emeritus.

In addition to his duties at University Parks, Dr. McArdle served two assignments with Penn State-U.S. Agency for International Development programs in India. He was a consultant for three months in 1969 and an adviser for two years during 1970 and 1971.

Dr. McArdle also served as a consultant with the U.S. Public Health Service in Central America. He presently devotes some time to consulting for food industries.

He joined the Penn State faculty in the Department of Horticulture in 1958. In 1966 he served in Nicaragua as food technology consultant for the U.S. Interdepartmental Committee on Nutrition for National Defense.

His research and teaching have dealt with the preservation quality in processed foods. This includes determination of heat processing schedules for preserving foods, especially canned products.

A native of Monroeville, Ind., Dr. McArdle is a graduate of Purdue University. He also received the M.S. in food microbiology and the Ph.D. in food technology from Purdue.

Dwain N. Walcher, M.D., professor of human development and senior adviser for college development and relations in the College of Human Development, will retire with emeritus rank on June 30.

Dr. Walcher came to Penn State in 1969 as director of the Institute for the Study of Human Development, relinquishing the post last year to become the College's senior adviser. From 1971-73, he also served as special assistant to the Provost for health care program development.

The author of 29 journal articles and/or book chapters, Dr. Walcher was co-editor of four books during his tenure at Penn State.

An Illinois native, he earned his B.S. in biology and his M.D. at the University of Chicago. He taught at Yale and the Indiana University School of Medicine, and was an associate director at the National Institute

for Child Health and Human Development.

Dr. Walcher and his wife, Emily, are moving to Indianapolis, Ind., where he will assume a full-time administrative post with the Indiana State Board of Health on July 21.

C. Herbert Wheeler, FAIA registered architect and professor of architectural engineering, will retire June 29 with the rank of professor emeritus.

Professor Wheeler has been with the University since 1964. He has taught and coached senior architectural engineering students as instructor of the professional practice course; as supervisor of the senior thesis projects program, which he developed; and as career counselor.

One of Professor Wheeler's primary activities has been advancing education for managers of architectural and engineering firms. To stimulate profession leaders to share their experiences and raise the quality of their practice, he has conducted 23 educational conferences at Penn State and in other locations.

Professor Wheeler earned his B.Arch. from the University of Pennsylvania and his M.S. at the Massachusetts Institute of Technology. He also took post graduate work at MIT in acoustics and creative engineering. Before joining the Penn State faculty, he was chief architect of the J.G. White Engineering Corporation.

The co-author of two books published by the American Institute of Architects (AIA), *Emerging Techniques of Architectural Practice* and *Emerging Techniques 2 - Architectural Programming*, Professor Wheeler is the author of many technical articles and papers. He is a fellow of the AIA.

Professor Wheeler plans to remain in State College and to continue to serve as a consultant to architectural and engineering firms and as an instructor in architectural practice management education.

Dr. John Withall, professor of education and educational psychology, will retire with emeritus rank June 30.

Dr. Withall, who came to Penn State in 1964 as a distinguished visiting professor in educational psychology, stayed on to head the Department of Secondary Education. In 1969, he took a position as coordinator/adviser to the Comparative Education Study and Adaptation Center of the University of Lagos, Nigeria, returning to Penn State in 1972 as professor of education and educational psychology.

Born in London, England, Dr. Withall earned his B.A. and M.Ed. from Bishop's University, Quebec, and his Ph.D. in educational psychology and psychotherapy from the University of Chicago.

Prior to coming to Penn State, he served on the faculties of Brooklyn College and the University of Delaware. He also was an associate in charge of instructional conferences for the National Education Association; executive secretary of the U.S. Educational Foundation in Karachi, Pakistan; director of research and training for the Mental Health Teacher Education Project at the University of Wisconsin, Madison; and Wisconsin's overseas representative with the Peace Corps at Abidjan, Ivory Coast.

Dr. Withall has served as an educational consultant to elementary and secondary school personnel as well as to institutions of higher learning in Southeast Asia, West Africa, Central America and the United States. A fellow of the American Psychological Association, he was awarded the first Outstanding Teaching Award of the College of Education in 1977.

(Continued on page 4)

(Continued from page 3)

G. Brant Shoemaker Jr., associate professor of English at the Osgood Campus, retired May 1 after 22 years of service.

Professor Shoemaker graduated from the University of Pennsylvania and earned his M.A. at the University of Connecticut. Before coming to Penn State, he taught at Connecticut, Penn, and Fenn College in Cleveland.

Known as "Kensington's Poet," he has published several books of poetry, which include *Taps and Other Poems*, *The Peacock Lady*, *Philadelphia Poems*, and *Krishna Impaled*. His poetry also has been published in both British and American literary magazines.

A leader in the poetry therapy movement, Professor Shoemaker last year was elected as regional vice president for the Association for Poetry Therapy by the Department of Psychiatry of Columbia Hospital in New York. He also serves on the board of directors of the Leonardo da Vinci Academy, the arts and sciences organization of the United Nations.

Willard W. Gregory, an associate professor of chemistry at Mont Alto, is retiring July 1. He joined the staff as an instructor in 1958 after working for R.B. Wall Co. of Wilkes-Barre and The Hitchner Biscuit Company in West Pittston. Both his A.B. and M.S. degrees in chemistry were granted by Cornell University.

John Gross, associate professor of engineering at Shenango Valley, is retiring June 29 after 14 years of service. He holds bachelor's and master's degrees from the University of Pennsylvania. A registered architect, he was associated with the architectural firm of Hunter, Heiges, and Gross before joining the Campus faculty on Sept. 1, 1967.

Marian A. Quick, associate professor of the hearing impaired, will retire June 30. A 1941 graduate of Penn State, Professor Quick obtained a master's degree from Smith College. She joined the faculty in 1970 after having taught at the Universities of Pittsburgh and Syracuse and serving from 1962-70 as director of the Lower School at the Pennsylvania School for the Deaf.

Edwin W. Gamble Jr., assistant professor of music, will retire June 30. He has been a member of the faculty since Sept. 1, 1950.

Modesta W. Gregory, assistant professor of mathematics at the Wilkes-Barre Campus, will retire from the University on June 30 with nearly 23 years of service. Professor Gregory, who earned her B.S. in mathematics at Penn State in 1936, taught in three public school systems in Pennsylvania before joining the University faculty in 1957.

John E. McHugh Jr., an assistant professor of health and physical education, will retire June 30. A member of the faculty since September 1949, he holds three Penn State degrees — a B.A. '42, a B.S. '49, and an M.S. '56 (physical education). Mr. McHugh was a rifle, pistol and hunter safety instructor.

Jesse I. Pollard, assistant professor of physics at the Hazleton Campus, will retire from the University on June 30 with 18 years of service. Professor Pollard earned his B.S. in physics/chemistry at Mars Hill (N.C.) College, his M.Ed. in educational administration at the University of Maryland and his M.S. in physics at the University of Michigan. He joined the University in 1962, after teaching at Campbell College, Clemson University and Jacksonville University.

Dr. Stanton W. Simkins, assistant professor of educational psychology at Mont Alto, is retiring June 30 after serving on the faculty since September 1972. Dr. Simkins holds a B.S. from Ohio State and M.Ed. and D.Ed. degrees from the University of Pittsburgh. A former superintendent of schools in Camp Hill, he also taught part-time at the Fayette Campus from 1966-69.

Philip W. Zettler-Seidel, assistant professor of physics at the DuBois Campus, will retire from the University on June 29 with 16 years of service. Professor Zettler-Seidel, who earned his Dipl. Ing. at the University of Leipzig, came to the University as an instructor in 1964, holding previous instructorships at Fairleigh Dickinson and Carnegie-Mellon Universities.

Melvin Bennett, associate librarian and head of the Engineering Library, will retire June 30 after 15 years of service.

He received his B.A. in economics and B.S. in library science from the University of Oklahoma and earned his M. Libr. at Emory University. He was the head reference librarian at Texas A & M and also served on the staff of the Carnegie Library in Pittsburgh, where he was responsible for the preparation and publication of a "Purchase Guide for Branch and Small Libraries in Science and Technology." As librarian at the Missile Test Center at Cape Kennedy, he instituted a technological library program.

Georgia R. Coffin, associate librarian and chief catalog librarian, will retire July 12. She became a University staff member in 1970. Prior to coming to Penn State, she was employed as head of the Catalog Center at the State Library of Ohio. She was also head of cataloging at the University of Wyoming Library and a rare books librarian at Cornell University.

Ms. Coffin holds a bachelor of arts degree in sociology from the University of Colorado and a bachelor of science degree in library science from the University of Denver. She was also the recipient of a master of library science degree from the University of Illinois.

L. Hays Chambers Jr., dean of Student Affairs at the DuBois Campus, retired June 1 after 20 years of service.

A graduate of Frostburg State College, he received his M. Ed. at Penn State. In addition to his staff duties, he was an affiliate assistant professor and taught an introductory course in psychology. His attrition-survival study of DuBois Campus students, conducted in 1973-74, provided information for the Associate Degree Admissions Program.

Mr. Chambers has also been very active in community affairs, particularly with youth groups.

Herbert M. Bowlby, an instructor in history at Mont Alto since Sept. 1, 1970, will retire June 30.



Dorothy E. Mothersbaugh is one of the few people who's not going to travel after retirement. Instead, she plans to fill her days actively gardening, doing needlework,

spending more time with her 11 grandchildren, and enjoying her new home in Spring Mills.

Mrs. Mothersbaugh, a records clerk in the office of the University Registrar, will retire on June 28. She first joined the University staff on a part-time basis in the records office and worked in that capacity for 12 years. She became a full-time employee in 1965.

As a records clerk, Mrs. Mothersbaugh has registered students, mailed out transcripts, assisted at commencement, and worked with the permanent records of all campuses.

She has two daughters and three sons; one son, Robert, is employed at the University as a caretaker in the deer pens.

Samuel S. Walker, an inventory clerk for the Office of the Controller, will retire from the University on June 30 with 23 years of service.

Mr. Walker has held a number of positions at Penn State, beginning in 1957 when he joined the staff of the Accounting Department. In 1959 he transferred to the Bursar's office and was

employed as a teller. From 1960 to 1971, he acted as a supply clerk for Army ROTC in the Military Science Department. More recently, as an inventory clerk, Mr. Walker was responsible for keeping track of all incoming University furniture and equipment.

His wife, Miriam, has also had a long relationship with the University. She retired as an assistant supervisor in Housing after 20 years of employment. One of the couple's five children, Edgar, graduated from Penn State in Business Administration in 1960.

Nella L. Berglin, a copying clerk in the Libraries, will retire June 28. She has been a member of the staff since Nov. 23, 1971.



Altona Director Carson W. Veach (left) and Associate Director Dr. Kjell Meling (both standing) congratulate Pasquale Cellini (left) and William Allhouse.

William C. Allhouse and Pasquale Cellini, assistant professors of electrical engineering, were honored recently for 25 years of service teaching at Penn State's Altona Campus.

A 1949 graduate of Capital Institute of Technology, Professor Allhouse joined the faculty at the Campus in 1954 as an instructor in the math and electronics associate degree program. He received his

Miriam E. Costic, a residence halls hostess at the Beaver Campus, is retiring July 1. She has been at the Campus since April 14, 1968.

Margaret B. Zinn, an accounting clerk in Continuing Education, will retire June 28. She joined the staff on June 22, 1970.

Russell L. Thomas, a maintenance mechanic at the Wilkes-Barre Campus, will retire June 30 after serving since May 24, 1968.

Nancy M. Filson, a janitorial worker in the Office of Physical Plant since April 15, 1974, will retire June 28.

B.S. in electrical engineering from Penn State in 1965, becoming an assistant professor in 1967. He has served as president of the Altona Campus faculty.

Pasquale Cellini has also been a member of the Altona faculty since 1954. A graduate of Penn State with a B.S. in electrical engineering, he is vice-president of the Altona Engineering Society.

Thirty-one clerical employees of the University have completed a six-week Clerical Enrichment Program.

Participating were:

Merilee Barner, clerk, Patter; Darlene Barton, clerk typist B, Arts & Architecture; Amy Bohm, secretary C, Business Administration; Linda Garbrick, data preparation operator, Alumni Office; Alice Haines, clerk A, Patter; Mary Hoover, secretary C, Education; Mary Kusterbender, clerk typist, Personnel Administration; Marian Lauck, accounting clerk, Bursar's; Cathye Neff, secretary C, Bursar's;

Joann Smith, clerk typist, Engineering Science & Mechanics; Brenda Stroud, clerk typist, Patter; Jacquelyn Watson, clerk typist, Patter; Jan White, secretary C, Business Administration; Ossie Williams, catalog clerk, Patter; Lori Winnick, secretary C, Education; Patricia Wilmer, clerk typist, Business Administration; Mary Zeigler, accounting clerk A, Business Services; Ester Zettle, clerk, Patter;

Hallye Bathurst, secretary C, Education; Anna Bove, secretary C, President's Office; Nina Comly, accounting clerk, Housing & Food Services; Marjorie Groff, secretary C, Human Development; Teresa Hummel, secretary C, Science; Joyce Jones, secretary B, Housing & Food Services; Nancy McGinnis, clerk typist, Liberal Arts; R. Kay Moore, receptionist, typist, Agriculture; Lisa Ott, clerk typist B, Agriculture; Lisa Urban, clerk typist B, Agriculture; Jeannette Willower, clerk B,

ARL; Nancy Winnett, stenographer A, Admissions.

Previous graduates of the Basic Supervisory Management Course recently completed the Supervisory Management Course. During the eight sessions, experiential exchanges and application of management principles in the University environment were discussed by class participants under the leadership of Dennis Keiser, coordinator of employee and management development.

Completing the course were:

Betty Arnold, library assistant, Patter; Clarence Bachmann, accountant, dining halls, Housing & Food Services; Dennis Bender, art specialist, Continuing Education; Dorothy Carolus, associate housekeeping supervisor, Housing & Food Services; Betty Davis, circulation supervisor, Patter; Shirl Dillion, senior housekeeping supervisor, Housing & Food Services; Frances Durkin, head clerk, Patter;

Gary Feltenberger, assistant supervisor, laundry services, Housing & Food Services; Betty Fisher, associate housekeeping supervisor, Housing & Food Services; Fred Hall, shops supervisor, ARL; Gary McClinton, supervisor, machine shop, ARL; George Patrick, accountant, Bursar's; Wayne Stump, supervisor, computer operations, Patter; Gardner Wagner, foreman, waste water treatment plant, Physical Plant; G. Robert Grieb, assistant supervisor, Management Services.

University Park Calendar

June 26 - July 9

Special Events

Thursday, June 26

Festival Theatre, Rodgers and Hart, *Pal Joey*, 8 p.m. The Playhouse; *The Good Doctor*, 8 p.m. The Pavilion Theatre.

Friday, June 27

Pass/fail for 10-week Summer Term. Commonsplace Theatre, Fellini, *La Dolce Vita*, 6 and 9 p.m., Room 112 Kern.

Festival Theatre, *The Good Doctor*, 8 p.m., The Pavilion Theatre; *Pal Joey*, 8 p.m., The Playhouse.

CSA Summer Orientation Social, Ruben and The Hipsters, 8 p.m., Room 102 Kern. Free with Graduate I.D.

Saturday, June 28

France-Cinema, Carle, *Normande*, 7 and 9 p.m., Room 112 Kern.

Festival Theatre, *The Good Doctor*, 8 p.m., The Pavilion Theatre; *Pal Joey*, 8 p.m., The Playhouse.

Spectrum, Victor Borge, "Comedy in Music," 8 p.m., Eisenhower Auditorium. Explaganza film, *Psycho*, dusk, Fisher Plaza.

Sunday, June 29

Commonsplace Theatre, *La Dolce Vita*, 6 and 9 p.m., Room 112 Kern.

Festival Theatre, *The Good Doctor*, 7:30 p.m., The Pavilion Theatre; *Pal Joey*, 7:30 p.m., The Playhouse.

Monday, June 30

Pass/fail for 10-week Summer Term. Registration for 8-6- and 3-week Summer Terms, 1-5 p.m., Activities Room, IM Bldg. France-Cinema, *Normande*, 7 and 9 p.m., Room 112 Kern.

Tuesday, July 1

Drop deadline, pass/fail and course repeat deadline for 10-week Summer Term. University Libraries orientation tours, Pattee - 9 and 11 a.m., 1, 3, and 7 p.m.; Branches - undergraduate students, 10 a.m., graduate students, 2 p.m.

Explaganza concert, Buffalo Chipkickers, 7:30 p.m., Fisher Plaza.

Festival Theatre, *The Good Doctor*, 8 p.m., The Pavilion Theatre; *Pal Joey*, 8 p.m., The Playhouse.

Wednesday, July 2

University Libraries orientation tours: Pattee - 9 and 11 a.m., 1, 3, and 7 p.m.; Branches - undergraduate students, 10 a.m., graduate students, 2 p.m.

Commons Nontime Concert, Dan Johnson, 12 noon, lobby of Kern.

Festival Theatre, *The Good Doctor*, 8 p.m., The Pavilion Theatre; *Pal Joey*, 8 p.m., The Playhouse.

Thursday, July 3

University Libraries orientation tours: Pattee - 9 and 11 a.m., 1 and 3 p.m.; Branches - undergraduate students, 10 a.m., graduate students, 2 p.m.

Phi Delta Kappa/College of Education Summer Lecture Series, 11:10 a.m., Room 112 Kern. Dr. Robert G. Scanlon, Pennsylvania Secretary of Education, on "School Improvement: Higher Education's Challenge."

Festival Theatre, *The Good Doctor*, 8 p.m., The Pavilion Theatre; *Pal Joey*, 8 p.m., The Playhouse.

Friday, July 4

Independence Day. No classes, University offices closed.

Festival Theatre, *The Good Doctor*, 8 p.m., The Pavilion Theatre; *Pal Joey*, 8 p.m., The Playhouse.

Saturday, July 5

Opening reception for Sidney Goodman exhibit, 3-5 p.m., Museum of Art.

Festival Theatre, *The Good Doctor*, 8 p.m., The Pavilion Theatre; *Pal Joey*, 8 p.m., The Playhouse.

Sunday, July 6

Central Pennsylvania Festival of the Arts Gala, 7-9 p.m., Museum of Art.

Festival Theatre, *The Good Doctor*, 8 p.m., The Pavilion Theatre; *Pal Joey*, 8 p.m., The Playhouse.

Monday, July 7

France-Cinema, Antonioni, *Zabriske Point*, 7 and 9 p.m., Room 112 Kern.

Interdisciplinary Symposium on Value lecture, 8 p.m., Room 101 Kern. James Martin,



Richard Ryder plays the title role in Festival Theatre's production of the Rodgers and Hart musical "Pal Joey." Ryder, who has appeared on Broadway in "Oh! Calcutta" and "Via Galactica," makes his Festival debut as Joey Evans - singer, dancer, ladies man, shooting for stardom on the Chicago nightclub circuit. The show includes such Rodgers and Hart standards as "Bewitched, Bothered and Bewildered" and "I Could Write a Book." It is running at the Playhouse June 26-29; July 1-6, 8-13. Tickets are available at the Festival Box Office (865-1884).

psychology, on "Adequacy and Ecstasy: Further Developments Toward a Self-Reflective Theory of the Development of Consciousness."

Tuesday, July 8

Late registration deadline and add deadline for 6-week Summer Term.

Explaganza concert, Arthur Goldstein

Quartet, 7:30 p.m., Fisher Plaza. Summer Series in Gerontology lecture, 7:30 p.m., Room 112 Kern. Yolanda Jeselnick, exec. dir., Pa. Senior Center Institute, and

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Eugene F. Erway, exec. dir., Pa. Council on Aging, on "A Forum on the Political Process as an Advocate for Older Adults."

Festival Theatre, *Pal Joey*, 8 p.m., The Playhouse.

Wednesday, July 9

Deadline for preregistration for Fall Term 1980, Room 112 Shields.

Late registration deadline and add deadline for 8-week Summer Term.

CPA, Children's Day, campus and town locations.

Commons Nontime Concert, Jive Bombers, 12 noon, lobby of Kern.

Festival Theatre, *Pal Joey*, 8 p.m., The Playhouse.

Exhibits

Chambers Gallery: Steven Dervin and Rome Hanks, photographs; Kevin Slick, Art Education graduate student, watercolors; Sally Bentz, Art Education graduate student, baskets, through July 2. Central Pennsylvania Festival of the Arts, Child Art Exhibit, opens July 7.

HUB Gallery: Jeanne Stevens Soltman, ceramic sculptures, through June 30. Central Pennsylvania Festival of the Arts, exhibit by famous Pennsylvania painters, opens July 8.

Kern Gallery: John Latzenby, photographs, through June 28. Central Pennsylvania Festival of the Arts, juried prints and drawings and hand made paper, opens July 6.

Museum of Art: European posters (1895-1930) from the permanent collection, through June 29. Selected works from the permanent collection. Sidney Goodman, paintings, drawings and graphics, 1959-1979, opens July 5. Central Pennsylvania Festival of the Arts, juried crafts, opens July 6.

Pattee Library: Rose Shumkas, recent drawings, East Corridor Gallery; Sandy Opela, recent works, Learning Services Lobby; "Founding a University: An Exhibit in Honor of The Pennsylvania State University's 125th Anniversary," Main Lobby. All exhibits through July 1.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 473-1387). Applications for these staff vacancies will be accepted until 3 p.m., July 3, 1980. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

ASSISTANT DEAN OF STUDENT AFFAIRS, The Behrend College. Responsible to the Dean of Student Affairs for administration and coordination of the various functions within the Student Affairs operation at The Behrend College, primarily in the areas of Residential Life and Conduct Standards. Living in a residence hall apartment is required. Acts for the Dean of Student Affairs as assigned. Master's degree or equivalent in college student personnel services or related field, plus two to four years of effective experience.

ASSISTANT COORDINATOR RESIDENCE LIVING, Capital Campus. Responsibilities include the supervision of resident assistants, development of programming, maintenance of order in the Residence Hall; liaison with Housing and Food Services. Requires living in residence hall. Bachelor's degree in sociology, psychology or related field and up to two years of effective experience. This is a 10-month appointment from August through June of each year.

SYSTEMS ANALYST, College of Medicine. Coordinate data information for departments. Determine computer systems specifications and record layouts and develop procedures to process information by electronic data processing equipment. Confer with departments to determine the problems and the type of data to be processed. Formulate logic of statements of business problems and devise technical solutions of problems through the use of electronic data processing. Bachelor's degree in accounting with knowledge of third generation programming language, plus four years of data processing experience.

DATA ADMINISTRATION COORDINATOR, Management Services. Responsible to the Supervisor of Data Base Activities for documenting data base policies and guidelines, participating with data users in reviewing policy, informing data users of policies and guidelines, and supporting systems development.

activities by providing the necessary tools and reference aids concerning the scope and fidelity of the existing University data bases. Responsible for maintaining the dictionary for the University data bases. Bachelor's degree (or equivalent) in information science, library science, or business administration plus one to two years of administrative and business experience in record keeping. Computer science experience is highly desirable.

ADMINISTRATIVE AIDE, College of Earth and Mineral Sciences, Elder's Ridge Mine Mechanic's School, Indiana County. Maintain program financial accounts, assemble teaching resource materials, maintain student records, initiate and prepare faculty related paperwork, compile periodic reports and surveys, conduct job placement surveys, coordinate student placement services and oversee the physical plant of the facility. Two-year business college degree or equivalent, plus one to two years of effective experience; or high school business/commercial education with two-four years of effective experience. Position is funded until Dec. 30, 1980, with continuation possible.

State officer

(Continued from page 1)

director of the Center for the Study of Higher Education at the University, will speak on "The Future of the Academic Profession in the '80s."

On August 1, Dr. Paul Birby, professor emeritus of education, will moderate a panel discussion on international education entitled "Needed: World Citizen Teachers."

The final lecture will be August 14 with Dr. Richard Chait, assistant provost, discussing "Faculty Development in the 1980s."

All of the lectures are free, and the public is invited.



Flatpickers, ragtime for arts festival weekend

Dw. Watson, one of the greatest living flatpickers, and his son Merle, plus the New Orleans Ragtime Orchestra, a group devoted to the lively music of jazz and ragtime, will be providing a weekend of musical entertainment as part of the Nittany Mountain Summer Festival's Spectrum of Music and Dance on Friday and Saturday, July 11 and 12.

Watson, blind since early childhood, is an instrumental virtuoso of legendary stature, renowned for his stylized flat picking and amazing speed on a guitar and for his complete control of every aspect of the performance. In addition, like Will Rogers, he can spin yarns, set a mood and take an audience on a fascinating trip to

his home in the mountains of North Carolina.

The New Orleans Ragtime Orchestra will lead its listeners through a nostalgic tour of a vibrant part of America's musical past on Saturday, July 12. The musicians, many of whom have performed with other legendary New Orleans jazz bands such as Lee Dorsey's, bring warmth and spontaneity to their mainstay, ragtime, as well as to rhythm and swing, blues, marches, cakewalks and waltzes.

Phone orders on Master Charge and Visa for tickets may be placed by calling (814) 863-0255 weekdays, from 9 a.m. to 4 p.m. Tickets are also on sale at the Eisenhower Auditorium box office weekdays, from 9 a.m. to 4 p.m.

"Innocent abroad" — how to mount a successful exhibit

Not knowing that it takes 18 to 24 months to mount an important art exhibit, Elmore Browne did it in four.

When he first conceived the idea for an exhibit of paintings by Henry O. Tanner and Horace Pippin, two black Pennsylvania artists, Mr. Browne was blissfully ignorant of such matters as gallery security, insurance certificates, and the transportation of valuable works of art.

By the time the last of the 32 paintings from his April 13-May 10 show was returned this month, Mr. Browne, director of the Paul Robeson Cultural Center, had developed sufficient expertise to have been trusted with \$837,000 worth of art.

It was last January when Mr. Browne decided that a show of Pennsylvania black artists, coinciding with the Black Arts Festival and the University's celebration of its 125th birthday, might be a good idea.

"After a little research, I became convinced that I'd better limit the scope of the show if I was going to arrange it in time for the Spring Festival," he says. "I decided to concentrate on the works of Henry O. Tanner, born in 1859, and Horace Pippin, born in 1889."

"These two Pennsylvanians were art pioneers who overcame the odds against their success during the same period that Penn State was struggling to become a force in higher education. Because of their parallel struggles, I felt that the exhibit would be appropriate for the 125th birthday celebration of the University."

"As far as we could determine," Mr. Browne adds, "the works of these two artists had never been exhibited together before."

Tanner and Pippin could hardly have been more different in training and work.

Born in Pittsburgh, Tanner grew up in Philadelphia. Unable to find anyone to instruct him, he persisted until he was accepted into the Pennsylvania Academy of the Fine Arts, where he became a student of the great Thomas Eakins. Ignored in his native country, he emigrated to France and won acclaim for his intensely felt paintings of Biblical scenes.

The horrors of World War I so affected Tanner that he was unable to paint for some time, and the emergence of the various modern movements in art had obscured his achievements when he died in 1937.

World War I almost destroyed Pippin physically. A member of the black 369th Infantry Regiment (all of whose survivors received the Croix de Guerre for bravery), he returned to his West Chester home unable to lift his right arm. Completely

untaught, he began to paint to pass the time, supporting his right hand with his left. Finally discovered at age 49, he died in 1946.

Mr. Browne, having consulted various references to locate the names of owners of paintings by Tanner and Pippin, decided to concentrate his search on the East Coast. He began to call curators at various museums.

"I was amazed at how enthusiastic and cooperative they were," he remarks. "For example, when I called the director of the Brandywine River Museum at Chadds Ford, she said they didn't have anything; but she knew of two Pippins at Bryn Mawr College and suggested I try there. It was the same at the six museums. At the Metropolitan in New York, they showed me a Tanner which they couldn't loan because it was painted on cardboard and was very fragile; but they put me in touch with a collector who did have a painting

available.

"I found out that museums have committees which have to pass on anything that's loaned, and these committees usually take 60 to 90 days to act. Since I didn't have that much time, many of the museums expedited their procedures."

A source of support and encouragement to Mr. Browne was Dr. Harold Dickson, professor emeritus of art history, who has arranged several major exhibits such as the "Masterworks by Pennsylvania Painters in Pennsylvania Collections," which launched the University's Museum of Art.

"Elmore had unerringly picked the two black painters most worthy of doing," Dr. Dickson notes. "They're marvelously contrasted. I thought such a truly professional selection was worth pushing." Among Dr. Dickson's contributions was getting Harry Henderson to write the catalog. Mr.

Henderson, a former *Collegian* editor (1936), is the co-author of *Six Black Masters of American Art* and of the forthcoming *History of America's Black Artists*.

Meanwhile, Mr. Browne had managed to snag paintings from the Smithsonian Institution, the Pennsylvania Academy of the Fine Arts, and the Whitney Museum of American Art — to name only a few of the institutions and individuals who collaborated in his venture. But the borrowed paintings had to be insured, and the University's Risk Management Office was having some difficulty in finding insurance due to the limited lead time. Mr. Browne helped solve that problem by asking some of the owners to continue their insurance and arranging for Penn State to reimburse them later.

Getting a release and collecting the paintings posed other problems. Loan agreement forms had to be mailed and filled out by all parties concerned and insurance guaranteed from wall-to-wall. When paintings were picked up, two people had to be with the vehicle in case one became sick or had to leave the vehicle.

"At Penn State, we had to guarantee that we had a secure place to store the paintings prior to hanging them," Mr. Browne points out, "and once hung, the gallery had to have limited access, with guards on hand when it was open and electronic warning systems when it was closed."

The HUB Gallery met these specifications, but Mr. Browne visited his show at least once each day to make certain all the paintings were still there.

The actual hanging of the exhibit was supervised by Richard Mayhew, associate professor of art. The Saturday before the Sunday opening, Professor Mayhew, Mr. Browne and several art students worked from noon to midnight.

After the exhibit had opened, several persons who owned paintings by Tanner wrote offering to loan them.

"If I had it to do over, I could do an even better exhibit," Mr. Browne notes, "because I'd be armed with the lessons I've learned. You need time to research a show like this. It's hard to put it together on your own, especially if you're rushed."

But Mr. Browne has obviously been encouraged by the reception accorded his maiden effort. So much so that a visitor to his office may find him looking through a book titled *Two Centuries of Black American Art*. His eye has lit upon the works of Jacob Lawrence, and it's just possible that there will be a special exhibit at the 1981 Black Arts Festival.



Mr. Browne gets Tanner's "The Banjo Lesson" ready to return.

News in Brief

News Bureau wins award

Penn State's news bureau has been named best in the nation for "excellence in news writing" in competition sponsored and judged by Newsweek magazine.

The award is part of the "Creativity 80" recognition program of the Council for the Advancement and Support of Education (CASE).

The University's Department of Public Information and Relations also won an exceptional achievement award for its internal communications program. In the "creative ideas for programs and communications" category, the department won two awards: a citation for its "Think Time" program, in which each staff member spends a day thinking of ideas to improve department performance; and a special award for its "Supplement Service," in which staff members write stories geared to newspaper special-interest supplements.

OGC cited

The University's Office of Gifts and Endowments has won an honorable

mention in the Improvement category of the 1980 Alumni Giving Incentive Awards Program co-sponsored by U.S. Steel and the Council for the Advancement and Support of Education (CASE).

Charles Lupton, executive director of OGE, and George Moellenbrock, director of annual giving, will receive the award — which includes a \$1,000 check — at the annual CASE assembly in Detroit in July. The honorable mention (tantamount to second place) came in competition with 279 colleges and universities throughout the United States and Canada.

To be considered for the improvement category, an institution must have recorded a 25 percent increase in the amount of gifts received for the year, plus a 10 percent increase in the number of alumni contributions. The University was also a finalist in the Sustained Performance category.

From 1977-78 to 1978-79, the number of Penn State alumni giving to the annual fund increased from 18,159 to 21,341, with the amount contributed rising from \$1,025,682 to \$1,367,779.

During the same period, total alumni support to Penn State through all channels rose from \$1,337,910 to \$2,499,876.

Handicapped

(Continued from page 1)

It is a hand-held device that spells words on tape. In addition, access to Pattee for persons in wheelchairs is facilitated by a ramp leading from the rear parking lot to a special entrance in East Pattee. Within the building, nearly every area except the central stacks is accessible to wheelchairs.

Assistance, however, is frequently required by handicapped persons when they must use doors and elevators. Persons with mobility problems are encouraged to seek the help of staff members when it is needed.

Dean Ness views services for the handicapped as a plus not only for the users but for the University's student recruiting efforts. He explains: "At a time when admissions growth is high priority, the importance of adding more equipment and maintaining good and effective service is very important if we are to attract academically qualified students who have disabilities."

Elsewhere in Academe

Faculty members at the University of California at Berkeley have rejected representation by the Berkeley Faculty Association, an affiliate of the American Association of University Professors. Of 1,512 faculty members eligible to vote, 532 cast their ballots for "no representation" and 477 voted for the Association.

□

Responding to a public-ethics law passed last year by the Maryland legislature, about 400 University of Maryland faculty members have announced that they will file suits in federal district court challenging the constitutionality of the law. The law requires all state employees earning more than \$19,619 a year to file a 12-page financial disclosure statement. Eleven Towson State University faculty members were earlier awarded a temporary order by the U.S. District Court in Maryland restraining the ethics commission from making the forms available to the public.

From the Press

Pennsylvania Politics Today and Yesterday: The Tolerable Accommodation. By Paul B. Beers. 475 pages. \$16.75.

A sort of rough justice characterizes the Pennsylvania political scene, the author argues, if justice is defined in Learned Hand's words as "the tolerable accommodation of the conflicting interests of society."

Mr. Beers explains Pennsylvania's rejection of ideological extremes by reviewing the Commonwealth's traditional virtues: tolerance of diversity, independence in thought and action, and patience under adversity.

The book's narrative starts with Boss Matt Quay forcing his way into the U.S. Senate in 1900 and ends with Gov. Dick Thornburgh balancing the taxpayers' demand for budget-cutting against his party leaders' desires for patronage.

Within that span, Mr. Beers tells the story of the rogues (Pennrose, the Vares and Cianfrani), the reformers (Pinchot, Leader and Duff), and the greater number whose real achievements were dimmed by implications of corruption (Earle, Fine and Shapp).

Mr. Beers is the author of four previous books, including *The Pennsylvania Sampler* and *The Republican Years*. A newspaperman for three decades, he has been the "Reporter at Large" columnist for *The Evening News* since 1961 and associate editor of the *Harrisburg Daily* since 1969. A Pulitzer Prize nominee and a Professional Journalism Graduate at Stanford, Mr. Beers is a graduate of Wilkes College and the Columbia University Graduate School of Journalism.

Rivers of Pennsylvania. By Tim Palmer. 208 pages. Over 100 illustrations, many in color. \$18.95, paper. A Keystone Book.

Pennsylvania has some 45,000 miles of usable streams, and this book is designed for the active or prospective canoeist, kayaker, boater or rafter. Hikers, campers, fishermen — indeed, anyone interested in the outdoors — will also find something of interest in it.

Each chapter features the author's experience on a major stream in one of Pennsylvania's three great river basins — the Susquehanna, the Ohio, and the Delaware, with notes on the Genesee, Lake Erie and Potomac watersheds.

A section is devoted to practical suggestions for recreation — where to go boating, fishing, hiking and camping. Tips on safety and comfort are provided, and maps furnished. The introduction supplies a geographical and geological overview.

Mr. Palmer, a 1971 Penn State alumnus in landscape architecture, won the Eric Walker Award. He is now chief planner of Looming County.

Gracanica: King Milutin's Church and Its Place in Late Byzantine Architecture. By Slobodan Curcic. 274 pages. 133 illustrations. \$27.50.

Although its picturesque five-domed shape is probably the most frequently photographed monument of medieval Serbia, Gracanica is the only major church from that era without a scholarly monograph. Dr. Curcic, currently associate professor of history of architecture at the University of Illinois,

prepared this study as his doctoral dissertation at the Institute of Fine Arts of New York University. It was awarded the 1977 prize from the Joint Committee on Eastern Europe of the American Council of Learned Societies and the Social Science Research Council. Extensively revised, the book has received a grant from the Millard Meiss Publication Fund of the College Art Association of America.

Dr. Curcic describes the political and cultural conditions in Serbia at the time of King Milutin (1282-1321), who granted the founding charter to a monastery of which nothing remains but the church of Gracanica. He explores the history of Gracanica, analyzes its architecture and

the relationship of Gracanica to late Byzantine architecture, and discusses the church's original purpose and dating.



Learning the Fiddler's Ways. By Matthew G. Guntharp. Introduction by Robert C. Doyle. Foreword by Samuel P. Bayard. 159 pages. \$15.95, cloth. \$8.95, paper.

This book is written for persons who want to know more about fiddling — both "old-time" and bluegrass — and about the musicians who keep an old folk art alive.

The book grew out of a Doyle-Guntharp recording project, begun in 1973, to collect and preserve the "old-time" folk tunes of the fiddlers in Pennsylvania's Buffalo Valley, a rural region in Union and Snyder counties. Of equal import was their desire to learn how the art is approached and interpreted by individual players and transmitted from generation to generation.

Aside from methodological insights for collecting folk music, the book offers discussions of bowing and fingering techniques; transcriptions of favorite Buffalo Valley tunes, with comments on ornamentation and repertoires; and introductions to the fiddlers themselves, with emphasis on their experiences and lore. A glossary explains special terms.

Mr. Guntharp plays fiddle and mandolin with the Buffalo Chipkickers, a State College-based band organized by Mr. Doyle when the two were students of folklore at Penn State.

Clouds and Storms: The Behavior and Effect of Water in the Atmosphere. By F.H. Ludlum. 405 pages. 282 illustrations. \$57.50.

This is the last book written by Frank Ludlum, a professor of meteorology at Imperial College, London, and editor of *Weather* magazine. Dr. Ludlum died in 1977. In this work, he treats the physics of clouds and precipitation, producing an integrated picture of atmospheric processes.

A skilled writer as well as a master of his subject, Dr. Ludlum wrote the book as a reference and text for all atmospheric scientists and scholars in related fields. But it can also be used as a guidebook for persons wishing to understand something of the nature and complexity of weather and climate. It is illustrated with numerous line drawings, map analyses and photographs.

Rhetoric as Philosophy: The Humanist Tradition. By Ernesto Grassi. 122 pages. \$14.95.

Ernesto Grassi is emeritus professor of philosophy at the University of Munich and the author of numerous books on the nature of art, myth, imagination and the philosophical history of culture.

In this book, his first for English readers, he goes back to the Italian humanist tradition and aspects of earlier Greek and Latin thought to develop a concept of rhetoric as the basis of philosophical thought. In the development of modern philosophy since Descartes and Locke, rhetoric has been seen as superfluous to knowledge — as the speech that plays on the emotions. Professor Grassi connects rhetoric with the power of language to bring the starting points for thought into being. This power of speech is at the basis of the philosophical and rational search for truth.

Pennsylvania Prints from the Collection of John C. O'Connor and Ralph M. Yeager. Catalog compiled by Judith W. Hansen. 176 pages. 83 illustrations; 7 in color. \$16.95, cloth. \$10, paper.

This catalog includes the collection of town views, scenes from Pennsylvania history, and portraits which enthralled visitors to Penn State's Museum of Art. Many of the prints have hung in State College's Tavern Restaurant, which Mr. O'Connor and Mr. Yeager owned.

Ranging in time from an early 1757 view of Bethlehem to one of Pittsburgh printed in 1902, the prints reflect a wide range of styles. Competing firms strove to outdo one another for their eager 19th century audiences.

Early straightforward views gave way to composite ones including the major buildings of a town, and then to elaborate cartographic projections and bird's-eye views. Print processes and methods used by various artists are described, and active publishing firms — Fowler and Moyer, for example, issued over 170 Pennsylvania town prints — identified.

Fluorescent Lamp Phosphors: Technology and Theory. By Keith H. Butler. 351 pages. 228 illustrations. \$39.50.

This is the first published description of methods for the manufacture of fluorescent lamp phosphors, written by the retired manager of GTE Sylvania's Phosphor Research Laboratory.

Dr. Butler discusses the various factors controlling the selection of specific phosphors for use in lamps and presents a unique systematic application of group theory to the problem of explaining the excitation and emissions spectra in terms of crystal structure of the host material and the energy levels of the added foreign ions which are the so-called activators responsible for fluorescence. Unusual topics from various specialized fields are included, and the appendix offers essential tables for dealing with the spectra of ions in crystals.



Asian Women in Transition. Sylvia A. Chipp and Justin J. Green, Editors. 262 pages. \$16, cloth. \$8.95, paper.

Based on field research, the contributions of this volume bring together the perspectives of political science, anthropology, sociology, and economics. The varied cultural and ideological contexts of Asian countries — including Islam, Buddhism, Hinduism, Catholic Christianity, and the thought of Mao Tse-tung — are considered comparatively. Among the nations discussed are mainland China, Japan, the Philippines, Malaysia, Indonesia, India, Pakistan, and Bangladesh.

Methodological challenges and opportunities are addressed: for instance, distinguishing between real and merely apparent change, avoiding fixation on female "stars" whose upper-class cosmopolitanism is quite atypical, and reading between the lines of official handouts. Each chapter of the book suggests topics for further research and sources for further reading.



The Palazzo da Porto Fesca, Corpus Palladianum Vol. VIII. By Erik Forsman. 186 pages. 128 illustrations; 6 color plates and 9 scale drawings. \$42.50.

This is one in a series of monographs, each devoted to a major building of Andrea Palladio (1508-1580), the best-known architect of the Veneto in the 16th century and one of the greatest and most influential artists of the Italian Renaissance. Until the publication of this series, available reproductions of even the most famous of the architect's villas have been limited, particularly in regard to interior decorations.

The Palazzo da Porto Fesca exists today as a fragment of a larger and more imposing plan. Palladio designed it as an urban residence to introduce into Venetian architecture a new synthesis of the contemporary Roman style, ancient classical tradition, and Venetian building customs. It shows Palladio's fully matured style and reflects his study of Roman archaeology and his knowledge of the work of Bramante.

Tennyson & His Publishers by June Steffensen Hagen. 233 pages. \$17.50.

At his death, Alfred Tennyson left two fine country houses and a personal estate roughly the equivalent of \$278,600 (with a buying power today of some \$2,090,000). He is one of the few poets to have grown rich from the sale of his works.

Dr. Hagen, an assistant professor of English at The King's College, Briarcliff Manor, describes the people and circumstances surrounding the publication of Tennyson's poetry. Her subjects include the vagaries of audience and market, the idiosyncrasies of publishers, the exigencies of family and houses, the fluctuations of reputation, and the fear of piracy.

Drawing heavily on previously unpublished personal and business correspondence from materials at the Tennyson Research Center, and from the archives of two of Tennyson's publishers, Macmillan and Kegan Paul, Dr. Hagen explains negotiations, details agreements, and wherever possible reports on sales and income figures.

Setting the tone for her conclusions, in her preface Dr. Hagen notes: "... Tennyson almost without exception made his choices on artistic rather than mercantile grounds."

American Paintings in The Toledo Museum of Art: A Comprehensive Catalog of 277 Paintings. Catalog by Susan E. Strickler. Edited by William Hutton. 228 pages. 277 illustrations; 8 in color. \$24.50, cloth. \$14.50, paper.

Most of the principal artists and stylistic currents in American painting from the mid-18th century to the present are represented in this catalog. Included are artists such as Thomas Cole, Sanford Gifford, Ralph Blakeford, William Merritt Chase, and Charles Hassam. Separate entries are provided for each painting, including a biography of the artist, physical data, listings of provenance and exhibitions, and a full bibliography.

In an introduction, the Museum's senior curator, William Hutton, surveys the development of the collection.



Three architectural engineering majors have been conducting energy profiles of University Park buildings as the first step in making the buildings more energy efficient. From left, Anne Beatty, Janet Rozmus and Brad Beiswanger.

Students developing "energy profiles"

When they graduate, Anne Beatty, Brad Beiswanger and Janet Rozmus can claim safely that they know more about buildings at University Park Campus than any other students.

The three architectural engineering majors have spent hundred of hours poking around steam pipes, sump pumps and blue prints as they conduct "energy profiles" of campus buildings for the Office of Physical Plant.

"The energy profile is the first step toward making improvements in buildings' ability to use energy more efficiently," says J. Carroll Dean, manager of energy conservation programs for the University. "Students have been conducting energy profiles for us since 1976. About 110 profiles are completed out of approximately 200 buildings on campus."

"We look for structural characteristics, building use, energy-consuming equipment and systems," Mr. Beiswanger says, "anything that might give a clue on how to make the building more energy efficient."

The students are assigned to buildings by Joe Capios, an engineering analyst in the Office of Physical Plant. Once the profiles are complete, they go to Thomas E. Tabor, an engineer in the design and engineering department. It's his job to

study them and come up with recommendations for improvements.

Mr. Tabor says his recommendations range from adding wall insulation to changing building ventilation methods to removal of unneeded energy wasting equipment.

"One of the most significant energy savings we've had," he says, "came at Eisenhower Auditorium. We found that better coordination of schedules between auditorium management and computer operators at our Central Control System resulted in a 54 percent avoidance of energy costs."

Often, inexpensive solutions can lead to large energy savings, he adds.

"The profile may show a bookcase in front of a heat register. Use a little elbow grease, move the bookcase and the heat gets out better."

The surveys by students are providing another important function, Mr. Dean notes. A number of federal grants are available to colleges and universities to make energy-related building improvements. To be eligible, however, detailed information on buildings must accompany the grant applications.

"Since students have been working with us for about four years," he says, "we're ahead of the game in some respects."

lecturers are:

"The Nature of Research," Dr. Rosemary Schraer, professor of biochemistry and assistant provost; "Nuclear Waste Disposal," Dr. Rustum Roy, professor, solid state science and director, Materials Research Laboratory; "Someone Wants Your TV," Marlowe Foreman, director of media and learning resources, Continuing Education; "To Build an Artificial Heart," Dr. Winfred Phillips, associate dean, College of Engineering; "The Mammary Gland-Food, Sex, Cancer," Dr. Stuart Patton, Evon Pugh professor of agriculture; "Weather Predicting in the 21st Century," Dr. Charles Hosler, dean, College of Earth and Mineral Sciences; "Aspects of Modern Art," Dr. Jeanne Chenuault-Potter, associate professor of art history; "Walking and Running," Dr. Peter Cavanaugh, associate professor of biomechanics; "Politics 1980 - The Greatest Show on Earth," Dr. Phillip Stebbins, associate professor of history; "Stone Age Man in This Century," Dr. Napoleon Chagnon, professor of anthropology; and "Dual Career Families," Louise Sandmeyer and Mary Cianni Surridge, counselors, Career Development and Placement.

Further information about the Alumni Vacation College can be obtained from Heather R. Gilbert, assistant executive director, Alumni Association, Room 105 Old Main.

Statewide study conducted by PSU sociologists

More responsive government, better roads and increased job opportunities are the top concerns of Pennsylvanians for the 1980s, according to a massive survey conducted by Penn State sociologists.

Dr. Dan E. Moore, associate professor of rural sociology, directed the three-month project, which produced a remarkable 73 percent response rate. More than 14,000 of 20,000 people approached mailed back a 10-page, 200-question survey.

"We hear a lot about apathy these days," said Dr. Moore, "but I think it's fair to say that Pennsylvanians are extremely interested in the direction their local communities will take in the '80s."

More than 87 percent of those surveyed said government should pay more attention to citizen concerns in the 1980s. Eighty-six percent would like to see higher priority given to road repairs; only 36 percent favor construction of more new roads. Increased job opportunities are a high priority item for 82 percent.

Besides the top three concerns, the respondents gave high priorities to programs to deal with teen-age drug and alcohol use; protection from abuse for children, the elderly and the handicapped; and preservation of Pennsylvania's farmland.

The survey, entitled "Pennsylvania: The Citizens' Viewpoint," was prepared by Dr. Moore and project coordinator Anne Ishler in consultation with more than 100 key individuals in State and local government, civic groups and the media.

Results of the survey are being made available to government officials and policy makers at all public and private levels to aid in planning and programming for the '80s.

"We believe the survey will help take some of the guesswork out of government and civic planning," Dr. Moore said.

"Because of the extremely large sampling of public opinion the high rate of response and the depth of the questioning, more information on citizens' concerns is available now than at any time in the past. The opportunity for government to be responsive has never been better."

"Public opinion does not make decisions," Dr. Moore commented, "but it provides the context in which decisions are made."

Dr. Moore said the size of the sampling made it possible for the research team to compile and analyze data county-by-county and region-by-region.

"On the local level," Ms. Ishler explains, "a parent-teacher group might use its county's findings to develop a series of local programs on jobs, recreation or drug abuse. At the State level, officials can use the results to assess public opinion on such issues as public transportation or community development."

One section of the Penn State questionnaire dealt with energy, and respondents gave strong support to Pennsylvania's coal industry. More than 80 percent see promoting the use of coal and coal by-products as a high priority; 81 percent consider the coal industry a key to providing more jobs.

In a section on economic development, providing incentives to expand existing Pennsylvania industries rated high.

Initial results of the extensive survey will be published in a 16-page tabloid to be distributed to government and civic leaders, media representatives, survey participants and interested citizens. Data will continue to be analyzed throughout the summer. Reports on individual regions and counties will be announced as they become available.

Funding Sources

For further information, call 865-1372

(338-1) Unsolicited Proposals are an agency-approved method of submitting research/instruction program ideas to appropriate funding sources. Early agency contact is recommended, including telephone calls, letters of intent, and personal visits with agency staff. Names of contacts and other procedural information are available by calling 865-1372. Network 8-473-1372.

Chinese to learn theatre operations

A group of Chinese students from Taiwan is spending the next six months at the University as participants in the Internship in Auditorium Management program.

The six students - Chuan-Ping Chu, Chang-An Wang, Pay Yung Lin, Eric Y.C. Chang, Patricia Ssuto and Day-Lih Tung - were selected for participation in the program by the Ministry of Education of the Republic of China, Taiwan; and arrangements between the Ministry of Education and the University were finalized by the Cultural Division of the Coordination Council for North American Affairs in Washington.

During their stay at University Park, the students will focus on five major areas pertaining to the operation of theaters and auditoriums.

Seminars devoted to the five areas - theater and auditorium management, stage and production management, sound and theater electronics, theatrical lighting and scenic construction - will be conducted weekly. The interns also will be able to visit other major facilities for the performing arts, such as Lincoln Center in New York City and the Kennedy Center in Washington.

A sixth area of study, touring, will be optional to the program and will be coordinated with artist management organizations in New York City.

Project director is Dr. Walter H. Walters, dean of the College of Arts and Architecture. William E. Crockett and Douglas R. Maddox, associate professors of theater, are co-project assistants.

Study

(Continued from page 1)

study as a graduate student at the City University of New York, working under NYLS senior research associate Dr. Sam J. Korn. Through him, Drs. Chess and Thomas, who are preparing to retire, became aware of Dr. Lerner's research in child and adolescent development and of his interest in the role of temperament in this process.

"Because of its multidisciplinary orientation," Dr. Lerner says, "the NYLS will provide a variety of research opportunities at Penn State for developmental psychologists, family sociologists, and those interested in social science research methodology."

Dr. Fred W. Vondracek, IFS program head, noted that "the decision to seek a new home for the study in the IFS program represents a recognition of the continuing importance of interdisciplinary efforts in the study of human development and the position of national and international leadership attained by Penn State's IFS faculty members in this area."

Penn State Intercom



Goodman's "Self Portrait" was selected for the 1967 Whitney Annual.

Museum mounts Goodman retrospective

Sidney Goodman, an artist whose paintings "discover the disconcerting in the ordinary, the mysterious in the familiar" is having a retrospective at the University's Museum of Art.

Two floors of the Museum have been devoted to 90 paintings, watercolors and drawings by the artist. The show was organized by William D. Davis, assistant director of the Museum, and its registrar, Richard J. Porter, who also prepared the catalog essay.

Born in South Philadelphia in 1936, Mr. Goodman opted for realism as a student in the fifties, an unfashionable choice in a period dominated by New York's abstract expressionist school. "What I want to do concerns more than just shapes, forms and colors with no relation to a subject," he told an interviewer. "There wasn't enough life in abstract art for me."

Mr. Goodman's early work has been criticized for its macabre and grotesque images; but, as Mr. Porter notes, much of it was "motivated by the massacre of Jews in Nazi Germany. Goodman the painter had not forgotten the sickening impact that Life photographs of the liberated Auschwitz and Buchenwald had had on Goodman the child."

The overt images of corpses and death gradually disappear in the sixties as the painter — after a trip to Europe — fell under the influence of Goya, Velazquez, Vermeer, and Piero della Francesca.

Such paintings as "The Waiting Room" and "Confrontation II," Mr. Porter points out, "demonstrate the impact of Vermeer

and Piero. The quality remains surreal, mysterious, even macabre, but there is a new reserve and interest in space. The pictures are all the more disturbing for their increased naturalism."

As Mr. Goodman developed this naturalism, he strove to "bring to my pictures a range of mood by combining atmosphere and light with a strict structure, steel and fog." His brightly lit, empty landscapes seem, at first glance to be completely real; a second look reveals their improbability.

A number of key works from the mid-sixties are included in the exhibition, among them the artist's "Self Portrait," "Five Women" and "Girl on a Table." Mr. Goodman has painted a number of powerful portraits, and some hint of his working methods may be gleaned by comparing the preliminary drawing and finished painting of "The Artist's Parents." Disturbing distances separate the family in "Figures in a Landscape," a painting of the artist, his former wife and his daughter. Mr. Goodman's daughter reappears in a remarkable double portrait, "Amanda Twice," showing the change from childhood to adolescence.

His more recent paintings hark back to some old themes — fiery incinerators and dumpsters. The latter image is central to the painting "Street Scene, Autumn," in which, Mr. Porter says, the artist continues to seek "new means of expressing mystery and uneasiness."

Mr. Goodman attempts a new monumentality in his 1979 work, "Crowd

Scene," a 12-foot long painting showing a group of people, presumably standing on their car tops and truck beds to look at an unspecified event. "For Goodman, the specific event is irrelevant," Mr. Porter writes. "He considers the sky to be the protagonist of the scene as it grows ominously darker from left to right. 'The artist has called this movement of light to dark' a 'metaphor of an unknown future.'"

The Goodman show will be on display at the Museum through Oct. 12. From there it will travel to the Queens Museum in New York, the Columbus (Ohio) Museum of Art and the Delaware Art Museum.

A Statement

As the legislature recessed on July 9, President Oswald issued the following statement:

"I regret that the legislature has recessed without passing a funding bill, unrelated to the University, but the income from which is needed to help fund the previously approved appropriation bills by the House and the Senate for Penn State.

"As soon as the implications to The Pennsylvania State University are clear and there is the opportunity to discuss the situation with the Board of Trustees on Saturday, July 12, I will have further comment."

News in Brief

Search Committee named for Wilkes-Barre post

An advisory search committee for the position of Director at the Wilkes-Barre Campus has been appointed by President Oswald to assist him in identifying candidates.

The committee members from the Wilkes-Barre Campus are John Kolesar, professor of engineering, chairman; Priscilla Allison, assistant professor of speech communication; Wayne Felty, assistant professor of chemistry; and Linda Yanko, student government association president.

Other members are George Eitzweiler, associate professor of electrical engineering; James Gallagher, director of the Worthington Scranton Campus; Daniel Hopkins, acting vice president for Continuing Education; and Charles Mann, chief of special collections, Pattee Library.

Applications and letters of nomination should be directed to Dr. Robert Quinn, Room 111 Old Main Building, University Park, PA, by August 1, 1980.

SERS retirement reports mailed to faculty and staff

A copy of the 1979 State Employees' Retirement System annual report was recently mailed to all faculty and staff members who are members of that retirement system. Any employee on leave of absence or lay-off should contact his or her supervisor upon return to employment to secure a copy. Other faculty and staff members who did not receive a copy of the annual report may obtain one by contacting the Employee Benefits Division, Room 133 Willard Building (865-1473).

Affirmative Action office moved

To increase its accessibility, the Affirmation Action Office has moved from Room 123 Willard Building to Room 22 Willard, where it is now located on the ground floor near the Computation Center. The telephone number remains unchanged.

Federal funds sought to reduce energy costs

Penn State has applied for federal funds through the National Energy Conservation Policy Act to help reduce energy costs in University buildings.

A total of \$509,642 has been requested to perform renovations in 13 buildings and to conduct a detailed energy analysis of 27 others at 11 campuses of the University, according to Ralph E. Zilly, vice president for business and chairman of the Executive Energy Conservation Committee.

If all projects were approved, the total project cost would be \$940,835, with the University's share \$431,193.

"It should be emphasized that of the 13 buildings where needed renovations have been identified, we estimate that the money spent by Penn State could be recovered through energy savings in just over two years," Mr. Zilly said.

The application was made through the Governor's Energy Council in Harrisburg, Statewide, a total of \$18.9 million in funds was requested by public schools, colleges and universities, hospitals and local

(Continued on page 5)

Penn Staters



Dr. Gerald G. Eggert has been named head of the Department of History at the University, succeeding Dr. Kent Forster, who has retired.

A member of the Penn State faculty since 1965, Dr. Eggert formerly held teaching positions at the University of Maryland and Bowling Green State University in Ohio.

He has a B.A. in history from Western Michigan University and an M.A. and a Ph.D. in American history from the University of Michigan.

His research has centered on labor and business history, and many of the courses he teaches reflect that interest. A survey-level course in business history that he introduced last year will be offered for the second time this winter.

At the graduate level, he has introduced a seminar in the use of quantitative techniques by historians. He also developed a correspondence course in labor history.

In 1974, his biography of Richard Olney, the controversial attorney general and secretary of state under President Grover Cleveland, was published by the Penn State Press. In the book, *Richard Olney: Evolution of a Statesman*, Dr. Eggert takes exception to the usual portrayal of Olney as a harsh repressor of workers and champion of big business. Olney was the subject of his doctoral dissertation.

Dr. Eggert also is the author of an earlier book, *Railway Labor Disputes: The Beginning of Federal Strike Policy*, published in 1967 by the University of Michigan Press.

In recent years, he has been using computerized data to determine the impact of industrialization in the Harrisburg area during the latter half of the 19th century.

Dr. Eggert was acting head of the Department of History during the Winter and Spring of 1976-77 and served briefly as the Department's graduate officer. He was on the board of directors of the Daily Collegian, Inc., in the late 1960s.

Dr. John J. Romano has been promoted from assistant to associate dean for undergraduate studies in the College of the Liberal Arts, effective July 1. Dr. Romano is also assistant professor of social sciences.

"Profound changes in the nature of Dr. Romano's responsibilities have occurred over the past several years," according to Stanley F. Paulson, dean of the College.

As associate dean, Dr. Romano will administer undergraduate programs and services within the College, and he will be active in curriculum development and in the design of new academic programs.

Dr. Romano's research has been in the areas of student counseling and college and university administration. In 1979, he was one of 37 scholars from six countries invited by the Federal Republic of Germany to the University of Bonn to examine political, economic and cultural developments in the Republic since its inception 30 years ago.

Before joining the Penn State faculty in 1973, Dr. Romano was assistant to the vice

president for student affairs and assistant professor of education at the University of Delaware. He earned his B.S. in secondary education and physics at SUNY-Oswego and his M.S. in guidance and counseling at Springfield College. His Ph.D. in counselor education was conferred by Penn State.

Dr. Eric R. Birdsall has been named acting director of the Shenango Valley Campus.

Dr. Birdsall, associate director for academic affairs and an assistant professor of English at the Campus, will replace Dr. Harold R. Sargent, who retired July 1 as director.

"With his academic and administrative backgrounds and his record of community service, Dr. Birdsall is well qualified to assume leadership of the Campus while the search for a permanent director is conducted," Provost Edward D. Eddy said in announcing the appointment.

A 1970 graduate of California State University at Los Angeles, Dr. Birdsall earned his master's and doctorate in English from Johns Hopkins University. He joined the Shenango Valley faculty in 1975.

Dr. Birdsall's academic honors and awards have included grants from the American Philosophical Society and Penn State's College of the Liberal Arts. He was the recipient of the Johns Hopkins Arts and Sciences Fellowship and was a Woodrow Wilson Fellowship finalist. He is a member of Phi Kappa Psi, national honorary scholastic society.

He has published a number of scholarly articles on the poetry of William Wordsworth and Walt Whitman and is the author of a forthcoming book on Wordsworth.

An active participant in community affairs, Dr. Birdsall is vice president of the Citizens' Advisory Council on Redevelopment. He also is a member of the executive board of the Mayor's Committee on the Arts in Sharon. He heads the Campus Task Force on Community Interaction and has served as a resource consultant on programs for gifted high school students.

Dr. Robert B. Mitchell, associate professor of biology, has been appointed pre-medical adviser for the College of Science. He will be succeeded in his former post as coordinator of continuing education in biology by Dr. Christine F. Pootjes, associate professor of microbiology.

Dr. Mitchell, a specialist on aging, joined the faculty in 1969, the same year he completed his doctorate in physiology at the University. He holds a B.S. from Denison University and an M.S. from Ohio University. He has won both the AMOCO Foundation Teaching Award and his College's C.I. Noll Award for excellence in undergraduate teaching.

Dr. Pootjes joined the faculty in 1963 after earning her doctorate at Rutgers University. Her M.S. was granted by Purdue University and her B.S. by Douglass College.

A specialist in the study of bacterial viruses and plasmids, she is conducting research on crown gall.

Dr. Ossian MacKenzie, dean emeritus of the College of Business Administration, received the 1980 Beta Gamma Sigma National Honorary Award at the recent biennial meeting in Chicago of this national honorary scholarship society. In presenting Dean MacKenzie to the nearly 1000 gathered at the awards luncheon, Dr. Eugene J. Kelley, current CBA dean, highlighted Dean MacKenzie's contributions to education for business over a span of 30 years, pointing out that he has served two terms as national president of Beta Gamma Sigma and also as president of the American Assembly of College Schools of Business.

Dr. Carson W. Veach, Altoona Campus director, has been elected chairperson of the Region VII Postsecondary Education Council. Founded in 1974, the Region VII Council is responsible for coordinating institutional planning and providing for the educational needs of Blad, Bedford,

Cambria, Somerset, Fulton and Huntingdon counties.

Dr. Milton W. Cole, associate professor of physics, presented seminars in May and June at Ohio State University, University of Wisconsin and Bell Laboratories. He also lectured in Europe at the Center for Nuclear Physics in Saclay, France; University of Liege, Belgium; Technical University of Munich and the University of Erlangen-Nuremberg, Germany; and the Universities of Padua and Rome, Italy. His topic was atomic beam scattering from surfaces.

Dr. Greg N. Frederickson, assistant professor of computer science, presented a paper at the 7th International Colloquium on Automata, Language, and Programming held in Noordwijkerhout, Netherlands, this month.

Dr. William Spackman, director of the Coal Research Section in Earth and Mineral Sciences, recently represented the Geological Society of America's Coal Geology Division at meetings of the International Commission on Coal Petrology in Ostrava, Czechoslovakia. The commission is concerned with the standardization of terminology and analytical methods in the field of coal petrography.

Bookshelf

Dr. John T. Neisworth, professor of special education, and Dr. Carol A. Cartwright, professor of early childhood and special education, are two of the five contributing authors to a new book, *Individualized Education for Preschool Exceptional Children*.

The book, which was released by the Aspen Systems Corporation, deals with the early education of both handicapped and non-handicapped children, offering various techniques and programs designed to evaluate teaching effectiveness.

Also discussed is a project directed by Dr. Neisworth and Dr. Cartwright entitled *Handicapped Infant and Child Comprehension Outreach Model Program (HICOMP)*. Specific case studies are presented along with recommended activities to aid in increasing instructional skills.

Two of the other authors, Dr. Stephen J. Bagnato and Dr. Sara J. Willoughby-Herb, received their doctorates at Penn State, and the third, Dr. Karen W. Laub, was formerly an assistant professor of individual and family studies at the University.

Promotions

Staff Exempt

Kathleen Pavello to producer-director in Continuing Education.

Myron F. Rudy to supervisor, Dairy Production Research Center in Agriculture.

Staff Non-Exempt

Stephen E. Artman to cardiovascular technician at Hershey.

Mary R. DeJespe to junior research technician at Hershey.

Clerical

Wendy T. Butts to clerk A — college work study program in Student Administrative Services.

Kelly Henry to senior clerk in Earth and Mineral Sciences.

Cora M. Henschen to records team leader in Registrar.

Delorse G. Homan to secretary B in Human Development.

Donna R. Krach to accounting clerk in Continuing Education.

Lori R. McAulay to clerk A — loans and grants in Student Administrative Services.

Joyce R. Packer to secretary B in Business Administration.

Barbara D. Sommers to senior records clerk in Human Development.

Lucinda J. Stephens to clerk, records A in Registrar.

Tonia C. Tibbens to receptionist-typist in Business Services.

Linda D. Townsend to secretary C at Shenango Valley.

Carol A. Walker to secretary B in Undergraduate Admissions.

Mary L. Ward to secretary C at Behrend.

Technical Service

Shelby E. Boltz to anesthesia technician at Hershey.

Helen F. Bublinc to laboratory attendant A in Agriculture.

Steven B. Byron to elevator mechanic apprentice in Physical Plant.

Joyce A. Flowers to animal caretaker A at Hershey.

Wayne Gearhart to refrigeration technician apprentice in Physical Plant.

David Hirojimus to refrigeration technician apprentice in Physical Plant.

Lawrence Hoover to laborer helper — power plant in Physical Plant.

Patricia A. Millberry to janitorial worker in Physical Plant.

Alexander A. Quinn to maintenance worker A at Wilkes-Barre.

Clair L. Riggelman to maintenance worker area landscaper in Physical Plant.

Joseph J. Wyda to maintenance mechanic A at Wilkes-Barre.

Staff Development

The University offers the EXCEL program as a training and development program for senior, career-oriented office personnel. It is designed to enhance and improve the various relevant skills essential in the proper and effective performance of their jobs. University employees who completed the course work during the past term include:

Grace Condo, secretary A, IRP; Betty Forshey, secretary B, Controller's Office; Sue Sanderson, secretary A, President's Office; Carolyn Harbols, secretary B, President's Office; Elissa Johnson, secretary B, University Safety; Jean Kagarise, secretary B, Human Development; Joan Kastner, senior codr; Admissions; Pamela Maroon, secretary B, Human Development; Judy McCormick, secretary B, Agriculture;

Becky Nilson, secretary A, IRP; Janis Praskovich, technical secretary, President's Office; Lurricia Smeal, room assignment & terminal clerk, Housing & Food Services; Gloria Spicer, accounting clerk, Controller's Office; Kathy Thompson, secretary B, Liberal Arts; Sheila Williams, accounting clerk, Controller's Office; Devra Wolfe, employee benefits clerk, Personnel Administration; Nancy Yoder, secretary B, Continuing Education.

An eight-week Writing Skills for Secretaries/Clericals program was attended by 30 employees. They were:

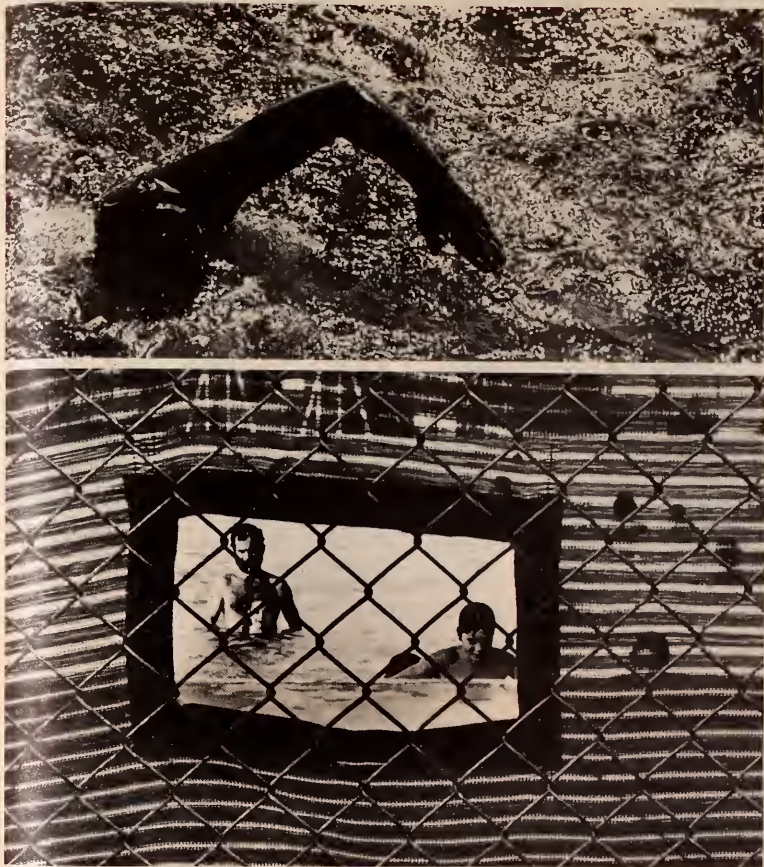
April Altieri, technical secretary, ARK; Lois Annehini, technical secretary, IRP; Ruth Barner, secretary C, Arts & Architecture; Wendy Bathgate, secretary C, IRP; Patricia Bilger, secretary B, Controller's Office; Vicki Blazer, clerk, accounting A, Controller's Office; Carl Brobeck, clerk-stenographer, Aerospace Engineering; Joan Brooks, secretary A, Education; Marilyn Chiang, clerk, accounting, Continuing Education; Christine Conway, clerk typist B, ARK; Susan Croyle, secretary, Engineering; Debbie Curling, secretary A, Agriculture; Debbie Doo, secretary, Engineering; Connie Fisher, secretary, Business Services; Joanne Chaner, clerk, accounting, Science; Patricia Greene, conference secretary, Continuing Education; Patricia Kessinger, room assignment & terminal clerk, Housing & Food Services; Ruth Kilhofer, communications secretary, President's Office; Debra McCaslin, secretary B, Agriculture;

Toni McMullin, secretary C, Continuing Education; Marie Neidig, accounting clerk, Continuing Education; Mary Nellis, accounting clerk, Bursar's Office; Betty Powell, accounting clerk, Bursar's Office.

(Continued on page 2)

In the swim — two views

Photos by Scott Johnson



Arts Roundup

'Pal Joey' continues at Playhouse this weekend

Pal Joey, Nittany Mountain Summer Festival Theatre's second show of the 1980 season, continues through this weekend at the Playhouse.

Cast against the glitter and sordid glamour of the Chicago nightclub circuit during the 1930s, *Pal Joey* features Richard Rodgers' music and book by John O'Hara. Director for the production is Thomas Gruenewald, who returns to Festival Theatre for the first time since 1967.

Mr. Gruenewald characterizes himself as an eclectic director, and his credits verify that opinion. His work in regional, off-Broadway, and off-off Broadway Theatres spans the range of drama from Shaw to Rodgers and Hart to Rossini. This flexibility has enabled him to make an easy transition from *Pal Joey* in June to staging the American premiere of Haydn's opera *La Vera Costanza* in July.

Director Gruenewald acknowledges being drawn to the Penn State production because of a fascination with the title character. "Joey's interesting in that he is a lovable guy who confuses sexuality with personal integrity. He causes a great deal of difficulty for himself and others because he just doesn't know how to say 'no' to his desires. Not your typical musical hero."

Tickets for *Pal Joey* and Festival Theatre's upcoming productions, *Ah, Wilderness!* and *Can't Help Lovin' Dat*

Kern, may be reserved by calling the box office at 865-1884. Hours are noon to 8 p.m. Mondays through Fridays and 2 to 10 p.m. Saturdays and Sundays.

CPFA 'Crafts 14' on display at Museum

Seventy three works from 19 states are on display in the current "Crafts 14," the juried crafts show of the 14th annual Central Pennsylvania Festival of the Arts. Visitors can view the pieces at the Museum of Art through August 22.

Represented are five categories of crafts — ceramics and metal (functional and non-functional), fiber (printed and woven), glass and wood.

Two jurors judged the slide entries for the show. Jon Clark is a glassworker from the Tyler School of Art and Milton Sonday is curator of fabrics at the Cooper-Hewitt Museum.

Atherton Quartet playing at Inn

The newly formed Atherton String Quartet is entertaining patrons in the lobby and dining room of the Nittany Lion Inn from 5 to 7:30 p.m. Tuesdays through Fridays and from 12:30 to 2:30 on Sunday afternoons.

Visitors, whether dining at the Inn or not, are invited to relax in the lobby and enjoy the group as they play classical, romantic and popular fare.

"We wanted to do something that would make the most of the Inn's unique ambience, benefit the community, extend a

welcome to out-of-town guests and, at the same time, showcase some of our Penn State student talent," says William G. Bohm, general manager of the Inn.

The Quartet is booked at the Inn for the remainder of this Summer. In the Fall, Mr. Bohm hopes to provide other suitable entertainment, perhaps by student groups.

Members of the quartet, all candidates for the master of music degree at Penn State, are violinists Laura Hardison and Mary Beth Ions, violist Rebecca McKee and cellist Annette Torregrossa. They are coached by Donald Hopkins, violinist with the Alard String Quartet and associate professor of music.

Tickets are still available to Crystal Gayle performances

Crystal Gayle, the country star who has gracefully crossed the line from country music to soft rock, will perform at 7 and 9:15 p.m. on Friday, July 18, in Eisenhower Auditorium as part of the Nittany Mountain Summer Festival's Spectrum of Music and Dance.

Gayle has become well-known to country, pop and easy listening audiences for her hit singles, "Don't It Make My Brown Eyes Blue," which sold over one and a half million copies, and "Talkin' In Your Sleep." As she has added elements of rock and blues to her music, her appeal has broadened and her style has become more difficult to categorize.

That style, critics say, is clear and smooth, with singular phrasing and good diction.

News in Brief

(Continued from page 1)

governments. The federal government has allocated \$6.1 million as Pennsylvania's share under the energy conservation program.

The results are being evaluated by the Council and recommendations for funding will be sent to the U.S. Department of Energy on August 15, according to Edward B. Bigelow, acting deputy director for administration and grants management.

Penn State's application was in two parts, one for technical assistance to conduct an energy analysis of buildings and the other for specific "energy conservation measures" in certain buildings.

The energy conservation measures account for \$806,700 of the total project cost with \$442,575 requested from the federal government and \$364,125 to come from University funds should all of the applications be approved.

The technical assistance requests account for \$134,135 in project cost, for 12 Commonwealth Campus buildings and 15 University Park buildings, with equal amounts from the federal funds and from University sources.

1979-80 athletic teams post 73.6 winning percentage

Penn State's 31-sport varsity athletic program compiled a record of 316 victories, 112 losses and four ties for a 73.6 winning percentage in the 1979-80 year.

Highlighting the year were the national championships won by the women's fencing, women's gymnastics and women's lacrosse teams.

Dr. John R. Snowdon, who retired June 30 as professor emeritus of engineering research, died July 9. He was 48 years old and had been a member of the faculty since 1961.

Dr. Snowdon received the Acoustical Society of America's Trent-Crede Medal for 1980 last month in recognition of his activities "as an outstanding teacher and lecturer, author and researcher." He was a native of Great Britain and held a Ph.D. from the University of London and the Diploma of Imperial College. He was named president-elect of the Acoustical Society of America in 1976.

"Gayle has one of the finer voices and more compelling and distinctive senses of phrasing in the business," *The New York Times* said.

Born in Paintsville, Ky., Gayle grew up in a family of eight children in Wabash, Ind. All of her four brothers and three sisters were involved in music. One of her older sisters is country music star Loretta Lynn.

Tickets for the 7 and 9:15 p.m. performances are on sale at the Eisenhower Auditorium box office, weekdays from 9 a.m. to 4 p.m. Phone orders may be placed on MasterCard and Visa by calling (814) 863-0255.

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(Continued from page 3)

distributed on a request basis to state and national audiences.

Mr. Carroll is the author of numerous publications and articles on land use planning, agricultural policy, and rural legislation. He is co-author of "Urban Planning in Rural America," available from the U.S. Government Printing Office.

Dr. Joseph Zaffaroni, professor of education, retired June 30 with the rank of professor emeritus.

Before coming to Penn State in 1961, he served on the faculties of the University of Nebraska and Eastern Washington College of Education and was also a public school teacher and principal. His primary area of interest is science education.

Widely known as a consultant for elementary school science workshops, Dr. Zaffaroni has worked with virtually every major city school system in the United States and also with schools in Canada, Panama, Costa Rica, Guatemala and the Island of Kwailein.

He has been a visiting professor at Arizona State University, the University of Arizona, Johns Hopkins University, Mankato State Teachers College and the University of Toledo.

Dr. Zaffaroni received his B.A. from Central Washington College of Education. His M.A. is from Colorado State College, and his Ed.D. in science education was earned at Columbia University.

He is co-author of two college texts on science teaching and has written a series of children's science books, as well as many professional articles. He is currently writing a new series of elementary science textbooks for Harper & Row and, following retirement, will live in Allison Park, Pa., where he has reconstructed a century-old barn into a home.

Dr. Ralph G. Asch, associate professor of chemistry and premedical advisor in the College of Science, retired June 30 after 33 years on the faculty.

A native of Montreal, Dr. Asch earned his baccalaureate degree at McGill University and his doctorate at New York University. During his more than 20 years as premedical advisor, Dr. Asch guided nearly 1,500 of today's physicians through their undergraduate careers. He was chiefly responsible for the development of the five-year premedical-medical program offered by the University in cooperation with the Jefferson Medical College.

Dr. Asch served for 14 years as Region 1 director of the International Premedical Society, Alpha Epsilon Delta, and was honored recently with a certificate of appreciation at the Society's national convention. He also served for over 20 years as faculty adviser to the Alpha Beta (Penn State) Chapter of Alpha Phi Omega service fraternity, which honored him in 1971 with its Distinguished Service Award.

Elmer J. Tewksbury, associate professor of chemical engineering, retired June 30. A member of the staff since 1946, he holds a B.S. from Dickinson College and an M.S. '52 from Penn State.

Mr. Tewksbury served first as an instructor and then as a research associate in the Petroleum Refining Laboratory before being promoted to associate professor in 1968. His research centered around lubricants, fuels and related materials.

Mattha W. Stouffer retired June 30 from her position as secretary in the College of Human Development. Mrs. Stouffer began her University employment in 1962 as a secretary for the Department of Family Housing and Home Art. After two years, she transferred to the office of the associate dean for research. In that position, she was responsible for the handling of proposals, contracts, and records.

Mrs. Stouffer and her husband, Homer, who is retired from a position with the Pennsylvania Railroad, have no formal plans for the days ahead. However, they are both avid campers and hope to do some traveling and possibly look for a warmer

climate in the winter months. Mrs. Stouffer also plans to occupy her time with needlework and volunteer work.

Mr. and Mrs. Stouffer reside in Tyrone.

Virginia K. Henning, a secretary in the College of Education since Oct. 1, 1966, retired June 30.

C. Paul Cowher, a mechanic with Housing and Food Services, retired June 28 after serving on the staff since Jan. 23, 1967.

Obituaries

Rev. Rockwell, an assistant professor of music when he retired in 1973, died June 25 at the age of 72. A native of Clearfield, Mr. Rockwell attended the New England Conservatory of Music and earned a B.S. in electrical engineering at Penn State in 1935. He joined the faculty as an instructor in 1952, teaching wind instruments and serving as staff piano technician. He was promoted in 1972.

J. Neil Grey, a supervisor with University Safety, died June 30 at age 55. He served as

a campus patrolman from 1964-66 before being promoted.

Anna R. Daley, a residence hall worker with Housing and Food Services, died June 27. She was 51 and had been on the staff since 1974.

Esther B. Davidson, a Housing and Food Services employee from 1957 to 1972, died June 27. The Madera, Pa., native was 73. She had been a salad woman, a linen room worker and a counter attendant during her years at the University.



The pace seldom slows for Records Office staff members (from left) Pat Peters, Dwight Huster, Jeanne Snyder, and Janice Ludwig.

Keeping alumni records up-to-date is their job

The letter from the Hackettstown, N.J., police chief said his department had recovered a stolen 1970 Penn State class ring with the initials RAP.

It didn't take staff members in the Alumni Records Office very long to solve the problem. Using their new "on-line" system, connected to the University computer where all alumni records are now stored, they retrieved a three-page print-out of graduates with those initials from the classes of 1969-71. One happened to live in South Orange, N.J.; a phone call ascertained the owner's loss and told him how to get his ring back.

"We've been quite successful in locating owners of lost class rings and we're happy to do it," says Dwight A. Huster, assistant executive director for alumni services and administrator of the Alumni Association's records office. "We try to do anything we can to keep the University and its alumni in contact with each other."

"Basically, though, our function is maintaining and updating records of Penn State's 235,000 alumni and creating those records for new graduates, who come out of the University system at the rate of about 11,000 each year. We have active

addresses and data for nearly 190,000 alumni. Another 24,000 are currently 'lost' — we're constantly trying to track them down — and nearly 15,000 are deceased."

The workload attendant to that process requires five other full-time staff members: Earnestine Turner, alumni records specialist; Pat Peters, membership recorder; and Jeanne Snyder, Jacki Pillot and Janice Ludwig, data preparation operators.

With the mid-March advent of its on-line system and six cathode-ray tube terminals, they have been making the transition from the former microfilm/microfiche system for accessing alumni records.

"Actually, it's going pretty smoothly," Jeanne Snyder assesses. "The electronic system is much easier to use. It has eliminated the keypunch work we had to do before, as well as all the hand-filing. We still spend our days entering changes or making new records, but the new system makes the work go much faster."

"All we do to retrieve an alumni record is turn on the terminal, punch in the name or code, and it appears within 10 seconds. We can then update or correct it

immediately, with much less chance for error because we're watching our work on the screen."

Changes in alumni records filter into the office in a variety of ways: from the campuses, from academic departments and colleges, from letters or phone calls from alumni, and especially from fund-raising campaigns conducted by the Office of Gifts and Endowments. For alumni who move without notifying Penn State, the office has an arrangement with the U.S. Postal Service to supply forwarding addresses.

"In the event we lose contact with alumni, we take several steps," Earnestine Turner says. "First, we try to contact them by phone. Then we contact their reference or last place of employment. If that doesn't work we send a postcard as a 'tracer' to the last address, and the Post Office responds with the new one, if that's available. That's how we keep the vast majority of our alumni out of the inactive file."

Alumni records contain information beyond name and address, but nothing that could be considered personal or evaluative. They include year of graduation, major, college, and undergraduate or graduate degrees earned elsewhere. Some files hold a graduate's student activities. Occupational and family information is also included, as is a contact person beyond the immediate family. Membership in the Alumni Association — to which 49,000 Penn State graduates belong — is listed along with any financial contributions to Alma Mater.

"Updating this information is a continuous process all year long — no valleys, just one big peak," Ms. Turner notes. "In terms of letters and calls from alumni, however, our busiest time is immediately before football season. I imagine they want to make sure their data is current so they can be certain of getting tickets or the Football Letter. We also receive many calls from alumni who want to know the whereabouts of former classmates."

"But no matter how the information is gathered, we can now make the changes right away," she stresses. "Formerly, the method was to accumulate the changes for a two-week period before entering it on punched cards and seeing it in microfiche."

Creating records for new graduates is



Alumni records specialist Earnestine Turner.

(Continued on page 10)

(Continued from page 2)

Maria Russo, technical secretary C, ARL; Lucy Shuey, secretary C, Admissions; Jean Smith, secretary B, IRP; Vickie Spadaccio, accounting clerk, IRP; Cynthia Tyler, secretary C, Library; S. Jane Uhrin, clerk typist, Science; Nancy Williams, secretary A, President's Office.

Nineteen staff employees of the University have graduated from an Oral Communications/Talking With People Course.

Designed to help participants learn the basic principles of effective communication, the course provides opportunities for inter-personal communication, interviewing, and public speaking in both in-class and out-of-class settings.

Those graduating were:

Charles Auker, operations supervisor, IRP; Norm Brown, housekeeping supervisor, Housing & Food Services; Louise Ford, supervisor, office and accounting, Physical Plant; Robert Gawryla, electronics/electrical engineer, Physical Plant; Steve Heister, senior benefits specialist, Personnel Administration; Ardath Johnson, supervisor, office & accounting, Physical Plant.

Dorothy Korman, assistant budget supervisor, Continuing Education; David Martin, management trainee, Physical Plant; Nancy Morgan, supervisor, office & service desk, Physical Plant; Dollie Neff, supervisor, medical records, Ritenour; Tony Rebuck, senior mechanical/electrical engineer, Physical Plant; Bernard Resnick, director of housing & food services for Commonwealth Campuses, Housing & Food Services.

Thomas Rodkey, scheduler/planner, service desk, Physical Plant; William Rose, management trainee, Physical Plant; Margaret Shaw, housekeeping supervisor, Housing & Food Services; Dean Sholl, business manager, Continuing Education; Trudy Smith, administrative assistant to the dean, Business Administration; Richard Trufant, engineering aide, ARL; Harlan Berger, science aide, IRP.

Retirements

Dr. E. Willard Miller, professor of geography and associate dean for resident instruction in the College of Earth and Mineral Sciences, has retired after serving 35 years on the Penn State faculty. He has received emeritus rank as professor and associate dean.

Dean Miller joined the staff in 1945 as an associate professor and chief of the then Division of Geography. In 1949, he was made professor of geography and, in 1953, was named head of the newly created Department of Geography, a position he held until 1963. In 1964, he became assistant dean for resident instruction in the College and, in 1972, associate dean.

He has received a number of honors during his career. In 1945, he was awarded the Certificate of Merit from the Office of State Services. In 1950, he received the Ray Hughes Whitbeck Award for the outstanding article in economic geography in the *Journal of Geography*. In 1975, the Governor of Pennsylvania presented him a Citation for Service to the Commonwealth, and the Secretary of the Pennsylvania Department of Commerce presented him the Secretary's Meritorious Services Award. In 1976, he received the Outstanding Science Award of the Pennsylvania Academy of Science and the Distinguished Service Award of the Pennsylvania Council for Geographic Education.

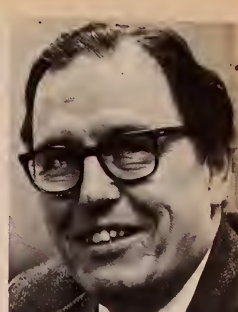
Dr. Miller is a Fellow of the American Association for the Advancement of Science, Explorers Club, American Geographical Society, and the National Council for Geographic Education, and is an honorary member of the Pennsylvania Academy of Science. He has published more than 80 articles and has presented more than 100 papers at professional meetings.



Professor Zaffaroni



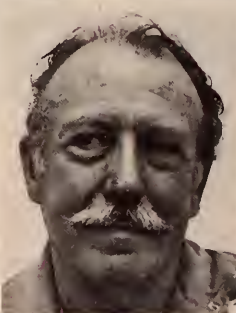
Dean Miller



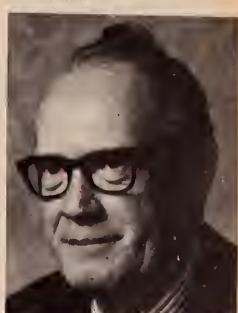
Professor Ascal



Professor Carroll



Professor Holtzman



Dean Brewer

The 13 books which he has authored or co-authored include: *The World's Nations* (with George F. Deasy and Phyllis R. Greiss); *A Geography of Manufacturing*; *A Geography of Industrial Location*; *A Socio-Economic Atlas of Pennsylvania*; *Manufacturing: A Study of Industrial Location*; *Industrial Location*; *A Bibliography* (with Ruby M. Miller); and *Economic, Political, and Regional Aspects of the World's Energy Problems: A Bibliography* (also with Mrs. Miller.)

Dr. Miller will continue his research at the University following his retirement. He and Mrs. Miller plan to spend part of this summer in China and Japan. During that trip, he will present a paper at the International Geographical Congress meetings in Tokyo.

Dr. A. Madison Brewer, professor of education and associate dean for teacher education and undergraduate studies in the College of Education, retired June 29 with the ranks of professor emeritus and associate dean emeritus.

Dean Brewer has been at Penn State since 1960, when he was appointed head of the Department of Elementary Education. He was named associate dean in 1969.

Prior to coming to the University, Dean Brewer had served as an elementary classroom teacher and principal, as director of the Laboratory School at Eastern Washington College, and as chairman of the Department of Elementary Education at the University of Nebraska.

A native of Plaza, Washington, Dean Brewer earned his B.A. at Eastern Washington College and his M.A. and D.Ed. at Northern Colorado University.

He has been active in international education during his tenure at the University, assisting with the Latin American regional training program for elementary principals and Ministry of Education personnel from Central and South American countries. He served on a three-member commission which evaluated teacher education institutions and public elementary education in the Dominican Republic. Working with Dr. Joseph Alessandro and the Office of International Programs, he helped develop specialized foreign studies programs for Penn State's elementary

education majors in the Panama Canal Zone, Mexico, Brazil, Chile, and most recently with the College of St. Hild and Bede in Durham, England.

A consultant to school districts and state education departments, both in Nebraska and Pennsylvania, Dean Brewer was president of the Pennsylvania Association of Colleges for Teacher Education and is currently serving as president, Confederation of Pennsylvania

Associations for Teacher Education. He served as chairman of the Publications and Teacher Education committees, Association of Childhood Education International. He recently concluded a two-year term as a member of the advisory committee of State Representatives for the American Association of Colleges for Teacher Education.

His research and writing activities have focused primarily on the areas of language arts, teacher education, and curriculum.

He and his wife, Roberta, plan to continue their residence in State College.

Paul Holtzman and his wife, Ingrid, have chosen to live in San Francisco following his retirement June 30 as professor emeritus of speech communication. But they could have gone almost anywhere in the world and found friends.

Dr. Holtzman's role as founder and volunteer director for 17 years of the Language Testing Service has given him personal contact, often leading to lasting friendships, with every international graduate student who comes to Penn State. Dr. Holtzman also initiated and for nine years directed the Japanese Teachers Program, which brings Japanese teachers of English to study at the University for four weeks every summer.

When Dr. Holtzman and the late Richard Spencer established the Language Testing Service in 1961, TOEFL, the Educational Testing Service's widely used Test of English as a Foreign Language, did not yet exist. They had to design not only tests, but also an entire examination system, which has since been evaluated and revised on a continuing basis.

All international graduate students are tested, and those whose English is deficient are required to enroll in courses in English as a second language. Dr. Holtzman also

has played a major role in the design and teaching of those courses.

In addition to his work with international students, Dr. Holtzman has served as parliamentarian of the University Faculty Senate for the past seven years. He directed the Department of Speech Communication's teaching internship program from 1959 to 1970 and helped found and served as president of the Penn State Federal Credit Union.

He has been a visiting professor at SUNY Albany, Temple University, Bernard Baruch School of Business (CCNY) and the University of Hawaii. "A former editor of the *Journal of Communication*, he was executive secretary and president of the Eastern Communication Association and president of the Speech Communication Association of Pennsylvania.

Before joining the Penn State faculty in 1957, he was affiliated with San Francisco State University and Queens College of CUNY. He is a graduate of Louisiana State University and holds M.A. and Ph.D. degrees from the University of Southern California.

William M. Carroll, professor of agricultural economics extension, retired June 30 with 26 years of service. He will hold emeritus rank.

As Extension specialist, he was involved in public affairs education, showing citizens how to review the alternatives open to them when approaching issues of local, state, and national concern.

A native of Massachusetts, he earned B.S. and M.S. degrees in agricultural economics at Penn State. Prior to his appointment to the faculty in 1954, Mr. Carroll worked for the Greater Philadelphia Movement and U.S. Department of Agriculture.

He developed and conducted educational programs relating to such issues as nuclear energy, agricultural chemicals and the environment, land use and taxation, and agricultural policy. In 1955, he initiated "Farm Economics" as a monthly publication of the Department of Agricultural Economics and Rural Sociology. During the past 25 years, more than four million copies have been

(Continued on page 4)

University Park Calendar

July 11-20

Special Events

Friday, July 11

Board of Trustees meeting, Mont Alto Campus.
Pass/fail for 6 week Summer Term.
14th Annual Central Pennsylvania Festival of the Arts: Sidewalk Sales, 9 a.m.-9 p.m., Mall and town. Festival Tent, entertainment, 10 a.m.-11 p.m., Old Main Lawn. U.S. Army Band, 3-4 and 8-9 p.m., Old Main Lawn (rain, Schwab). Films: *Night of Counting the Years*, third world version of *The Mummy's Tomb*, 3:30 p.m., HUB Assembly Hall; *Wim Wenders, The American Friend* (German with English subtitles), 7 p.m., HUB Assembly Hall; *The Buddy Holly Story*, 9:30 p.m., HUB Lawn (rain, HUB Ballroom). Vinnie Holderman, "Vinniettes," music and dance, 7 p.m., Schwab.

Commonsplace Theatre, *Fiddler on the Roof*, 7 and 9 p.m., Room 112 Kern.

Interludia, folk dancing, 7:30-11 p.m., HUB Ballroom patio.

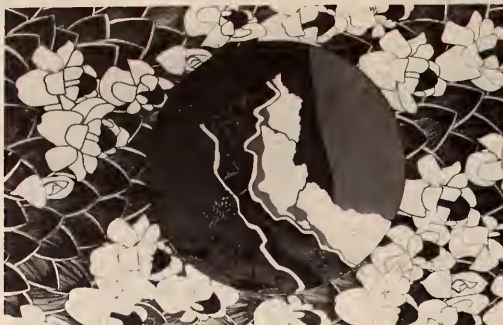
Festival Theatre, *Pal Joey*, 8 p.m., The Playhouse.

Spectrum, Doc and Merle Watson, with Mary McCaslin and Jim Ringer, 8 p.m., Eisenhower Auditorium.

Saturday, July 12

Board of Trustees meeting, Mont Alto Campus.
14th Annual Central Pennsylvania Festival of the Arts: Sidewalk Sales, 9 a.m.-9 p.m., Mall and town. Festival Tent, entertainment, 10 a.m.-11 p.m., Old Main Lawn. Schwab: Hal Frost, pianist, 2 p.m.; H.M.S. *Pinnacle* (selections), 3:30 p.m.; P.D.Q. Bach, 4:30 p.m.; Raymond Brown and Karen Eckenroth Sing, 5:30 p.m.; Rockview Clee Club, 7 p.m.; The Quiet Riot, mine, 8 p.m.; Sylvia Apple, talk on "Quilting," 2 p.m., HUB Assembly Hall. Films: *Nikita*, *Rocky Horror Performance*, 3:30 p.m., HUB Assembly Hall; *Georgia O'Keeffe*, 6 p.m., HUB Assembly Hall; *Alfred Hitchcock, North by Northwest*, 9:30 p.m., HUB Lawn (rain, HUB Assembly Hall).

France-Cinema, *Walkabout*, 7 and 9 p.m., Room 112 Kern.



Fabric by Grace A. Kraft, "Hawaii," is on display at the Museum as part of "Crafts 14."

Festival Theatre, *Pal Joey*, 8 p.m., The Playhouse.

Spectrum, New Orleans Ragtime Orchestra, 8 p.m., Eisenhower Auditorium.
Explanagaza film, *Electric Zariah*, dusk, Fisher Plaza.

Sunday, July 13

14th Annual Central Pennsylvania Festival of the Arts: Sidewalk Sales, 9 a.m.-9 p.m., Mall and town. Festival Tent, entertainment, noon-8 p.m., Old Main Lawn. Mitchell Siern, violin (Leventritt winner), 2 p.m.; Music Bldg. Recital Hall. Films: *Fellini's Casanova*, 3:30 p.m., HUB Assembly Hall; *Ridley Scott, The Duellists*, 7 p.m., HUB Assembly Hall. Gene Kelly in *Singin' in the Rain*, 9:30 p.m., HUB Lawn (rain, HUB Ballroom).

Commonsplace Theatre, *Fiddler on the Roof*, 6 and 9 p.m., Room 112 Kern.

Festival Theatre, *Pal Joey*, 7:30 p.m., The Playhouse.

Monday, July 14

Drop deadline, pass/fail and course repeat deadline for 6 week Summer Term.

France-Cinema, *Walkabout*, 7 and 9 p.m., Room 112 Kern.

Tuesday, July 15

Pass/fail for 6 and 8 week Summer Terms.
Phi Delta Kappa/College of Education Summer Lecture Series, 11:10 a.m., Room 112 Kern.
Kenneth Mortimer, dir., *Center for the Study of Higher Education*, on "The Future of the Academic Profession in the '80s."
Explanagaza concert, Whetstone Run, 7:30 p.m., Fisher Plaza.

Summer Series in Gerontology lecture, 7:30 p.m., Room 112 Kern. Coniam L. Black, Jr., Pa. Secretary of Aging, on "The Pennsylvania Department of Aging: Goals vs. Accomplishments - The First Year in Retrospect."

Wednesday, July 16

Pass/fail for 8 week Summer Term.
Commons concert, Allegheny String Band, noon, Kern Lobby.

Thursday, July 17

Drop deadline, pass/fail and course repeat deadline for 8 week Summer Term.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Festival Theatre, Eugene O'Neill, *Ah, Wilderness!*, 8 p.m., The Pavilion Theatre.

Friday, July 18

Commonsplace Theatre, *Streelard Blues*, 7 and 9 p.m., Room 112 Kern.

Spectrum, Crystal Gayle, 7 and 9:15 p.m., Eisenhower Auditorium.

Interludia, folk dancing, 7:30-11 p.m., HUB Ballroom patio (rain, HUB Game Room).

Festival Theatre, *Ah, Wilderness!*, 8 p.m., The Pavilion Theatre.

HUB Movies, *Bonnie and Clyde*, dusk, HUB Lawn (rain, HUB Ballroom).

Saturday, July 19

Shaver's Creek Nature Center, children's program, 9:30-11:30 a.m., Stone Valley.

France-Cinema, *Wentworth, Seven Beauties*, 7 and 9 p.m., Room 112 Kern.

Festival Theatre, *Ah, Wilderness!*, 8 p.m., The Pavilion Theatre.

Explanagaza film, *Singin' in the Rain*, dusk, Fisher Plaza.

Sunday, July 20

Festival Theatre, *Ah, Wilderness!*, 7:30 p.m., The Pavilion Theatre.

Exhibits

Chambers Gallery: CPFA, children's art, mixed media.

HUB Gallery: CPFA, Pennsylvania painters, and Art Alliance juried members' show.

Kern Gallery: CPFA, juried prints and drawings and hand made paper.

Museum of Art: selected works from the permanent collection; Sidney Goodman, paintings, drawings and graphics, 1959-1979; CPFA, juried crafts. Special hours during Arts Festival (July 10-13), noon-8 p.m.

Pattee Library: Mary C. Rubinstein, illustrations from the works of Joseph Conrad and Jerry Kosinski, Main Lobby. Corita Kent, serigraphs, East Corridor Gallery. Laura Deyarmin, easel paintings, Lending Services Lobby.

Visual Arts Zoller Gallery: CPFA, juried photography exhibit.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Personnel Office for filling. This announcement is made to that all University employees who are interested in promotion may apply by calling the Employment Office, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until July 11, 1980. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance, regardless to race, color, ethnic origin, national origin, handicap (as provided by law), or status as a disabled or Vietnam era veteran.

PRODUCER/DIRECTOR - COLLEGE OF AGRICULTURE, University Park. Serve as producer and coordinator of daily operations in audio and video taping in studio and on location in field and laboratory on assigned projects. Keep abreast of the various forms of audio-visual equipment applicable to extension and college needs to assure correct purchase and replacement of equipment. Produce and host video tape and film or live features of a special nature for "Newsworld," "Extensions" and "PS Radio."

Produce various materials for audio-visual presentations with college faculty and special guests for use with specific groups of extension program participants, students state and federal agencies.

Control with, advise and teach faculty, county workers and related professionals in proper selection, operation and application of various items of television and audio-visual equipment. Write, rewrite and edit materials for radio and television use. Bachelor's degree (or equivalent) in broadcast, journalism, speech, mass communications, or similar disciplines, plus one to two years of effective experience in radio and/or television performing, programming, or teaching that have a relationship to Cooperative Extension Service objectives, philosophy, and public services. Master's degree highly desirable.

ASSISTANT TO THE DEAN OF STUDENT AFFAIRS - STUDENT AFFAIRS, New Kensington. Responsible to the Dean of Student Affairs for the administration and coordination of various functions within Student Affairs' operations at the New Kensington Campus, primarily student activities and financial aid. Participates in the delivery of service and conducts aspects of other programs of Student Affairs including: recruitment, orientation and

other general areas of Student Affairs. Master's degree in student personnel administration, counseling or related field, plus one year related experience or a bachelor's degree and two or more years of effective experience.

APPLICATIONS PROGRAMMER/ANALYST, Capital Campus. Consult with academic users concerning programming problems. Conduct analyses of data processing and customer problems, determine detailed requirements to solve problems, formulate logical statements of systems problems, and prepare computer programs to satisfy end results. Bachelor's degree or equivalent in basic computer systems or related field and one to two years of experience in computer programming and analyses required.

COLLEGE HEALTH NURSE - INPATIENT & EMERGENCY - BITENOUR HEALTH CENTER, University Park. Provide general nursing care to inpatient. Gather information and trace patient through Emergency Room. Answer telephone and provide information. Maintain medical supplies and records. On a night month assignment. Graduate of an accredited nursing program and current licensure in Pennsylvania as a registered nurse, plus six to nine months of effective experience.

ADMINISTRATIVE AIDE - OFFICE OF STUDENT AID, University Park. Responsible to the Assistant Director of Student Aid for providing administrative assistance with Student Aid program, including assisting students with financial aid matters and assuming responsibility for many aid administration functions. Prepare routine and specific correspondence for a broad range of financial aid programs and services. A bachelor's degree or equivalent, plus administrative experience in an area applicable to aid administration are required.

PUBLICATION DESIGNER/GRAPHIC ART - COLLEGE OF MEDICINE, Hershey. Responsible to the Medical Illustration for the creation and production of graphic work as related to print media. A bachelor's degree with an art major or equivalency, plus one or two years of effective experience in professional graphics with knowledge of the full range of reproduction and printing techniques.

EDITOR - DEPARTMENT OF PUBLICATIONS, University Park. Responsible for copyediting a variety of University publications and for overseeing proofreading through all production phases. Work with clients, production personnel, and graphic designers to maintain editorial standards and to keep proofs moving within production schedules. Train and supervise proofreaders. Bachelor's degree or equivalent, and a minimum of one to two years of experience in editing, publishing and related fields.

BUDGET PLANNING ANALYST - OFFICE OF PLANNING AND BUDGET, University Park. Responsible to the Associate Director for Budget Development and Operations and the Manager of Budget Planning and Development, position involves conducting assigned research in preparation of data analyses and position papers, assistance in the preparation of the University's annual appropriation and capital program request, assistance in cost analysis activities, participation in preparation of appropriations hearing materials, review and analysis of program budget planning materials, and performing other duties as assigned by the Director or Associate Director of the Office of Planning and Budget and the senior executives of the University. A bachelor's degree or equivalent in business or public administration, accounting, economics, or related field, and from one to two years of effective experience are required.

A master's degree or equivalent in any of the above fields may be substituted for one year of effective experience. THIS IS A FIXED-TERM 1 POSITION

BUDGET OPERATIONS ANALYST, OFFICE OF PLANNING AND BUDGET, University Park. Responsible to the Associate Director for Budget Development and Operations and the Manager of Budget Operations and Control, position involves assisting in continuous monitoring of plans and

budgets of one or more major program areas of the University, assisting in developing comparative data for the evaluation of program budget needs and other elements of budgeting, developing data and analysis for incorporation in reports, reviewing and recommending appropriate action on fiscal year operating budgets, and performing such other staff functions as may be requested by the Director or Associate Director of the Office of Planning and Budget and the senior executives of the University. A bachelor's degree or equivalent in business or public administration, accounting, economics, or related field, and from two to three years of effective experience are required. A master's degree or equivalent in any of the above fields may be substituted for one year of effective experience.

ASSISTANT DIRECTOR FOR STUDENT AFFAIRS, Schuylkill Campus. Serve as Chief Student Personnel Officer and responsible to the Director of the Campus for the organization, administration, and coordination of the Student Affairs program, services, staff, and personnel. Master's degree in area related to student personnel administration, plus three to five years of effective professional experience are required. Doctorate or near doctorate status preferred, but not required.

Alumni records

(Continued from page 4)

another process soon to be transformed. Currently, the records are begun at graduation, with Earnestine Turner personally checking each student's degree information against the corrected commencement program to ensure accuracy. Soon, new records will be started while the prospective alumni is still a student.

"It's increasingly important that we have current information on hand at all times, because other offices - particularly Gifts and Endowments - and colleges rely on us to supply it for mailings," Mr. Huster says. "Under the old system, the two-week time lag could pose a problem in that respect."

"We also provide specialized mailing lists to University and University-related organizations for a nominal fee," he says. "If we hadn't increased our capacity for updating alumni records, we eventually would have been overwhelmed because our alumni body is growing so quickly now," he points out. "Consider that in Penn State's 125 years, the median year of graduation for our 235,000 alumni is 1970, in other words, 117,500 alumni have graduated since 1970."

Despite the rapid increase in alumni, the records office staff has not increased its staff since 1970, nor does it plan to, Mr. Huster adds. "The on-line system is making it possible to keep our staff at a minimum. Although there's a much greater volume of work, it can be handled much faster."

A report from President Oswald on the 1980-81 operating budget

After full discussion of the 1980-81 University budget at the May meeting of the Board of Trustees, the Board approved an operating budget which included, on the income side, a 10.5 percent increase in tuition. It further assumed that the income from the state would be at the level recommended by the Governor — a 5.8 percent increase over last year's appropriation. Actually, the increase was 6 percent of all line items in the budget, with the exception of medical education and student aid. The Trustee-approved budget included salary increments for 1980-81 for faculty and staff members, and other necessary expenditures.

At that time no budget action had been taken by the General Assembly of Pennsylvania. In early June, the state budget supporting the preferred or basic activities of the state was adopted and later signed into law. As to higher education, the state budget included support for the state-owned and community colleges, with an increase of 6 percent.

Following final action on the state budget in mid-June, there yet remained the consideration of the many non-preferred budgets, approval of which, in total, required approximately \$330 million in funding. There was no question in the minds of the people who were dealing with

budgetary matters — and most certainly not in the minds of those of us who had a major interest in them — that sufficient funds would be available to support the \$330 million in non-preferred appropriations. Of this amount, Penn State's share represents \$127 million.

The next phase in the legislature was consideration of the Penn State appropriations bill, along with the other non-preferred institutions and agencies. Our bill, at the \$127 million level recommended by the Governor, was passed by the House of Representatives 187-2 late in June. In early July, it was passed unanimously by the Senate, 48-0. In the 10

years that I have been at the University, this was the highest single vote majority I have witnessed for a Penn State appropriation bill. The overwhelming votes in both houses were clear indicators of positive support expressed by the General Assembly toward Penn State.

After the votes in favor of our appropriation, we felt that the bill would flow through channels and be signed by the Governor without any problems — always assuming that sufficient funds would be available to cover the non-preferred bills. Legislative and executive leadership, as I understand, also both

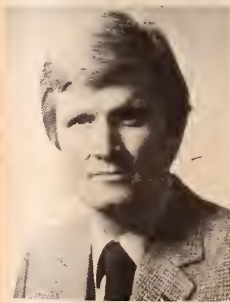
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July 17, 1980 Volume 9, Number 40

A Special Issue

Penn State Intercom

From the Trustee Docket



Kansas State administrator named Behrend dean

Dr. John M. Lilley, assistant dean of the College of Arts and Sciences at Kansas State University, has been appointed dean of Behrend College, effective Aug. 1.

Dr. Lilley will become the chief executive and academic officer at Behrend with full responsibilities for all programs and administration at the College. He also will hold the faculty rank of professor of music and humanities.

"Dr. Lilley's rich background in the humanities and his extensive administrative experience make him very well qualified to lead Behrend in the 1980s," President Oswald told the Trustees. "I am pleased to recommend him for this crucial position in the Penn State system."

A teacher, conductor and writer, as well as an administrator, Dr. Lilley, who is 40, has been assistant dean and associate professor of music at Kansas State since 1976.

From 1966 until 1976, he was a faculty member of the Claremont Colleges, a cooperative program including the Claremont Graduate School and Claremont Men's, Harvey Mudd, Pitzer and Scripps Colleges. In addition to teaching, he served as assistant dean of faculty at Scripps from 1973 until 1976.

A graduate of Baylor University with a bachelor of music education degree in 1961, Dr. Lilley also holds a bachelor of music and a master of music from Baylor. He was awarded a doctor of music arts degree from the University of Southern California in 1971. In 1978, he earned a certificate from the Harvard Institute of Educational Management.

As a conductor of chorus and orchestra,

Dr. Lilley has performed the works of numerous major composers; and he has also presented the premieres of new works by such American composers as Gail Kubik, whose authorized biography he is currently preparing.

Trustees thank Oswalds for 10 years of service

Meeting July 11-12 at the Mont Alto Campus, Penn State's Board of Trustees passed the following resolution:

WHEREAS, President and Mrs. John W. Oswald have completed ten years of dedicated service at The Pennsylvania State University; and

WHEREAS, During this decade they have contributed greatly, through their shared responsibilities, and by giving unselfishly of their time and talents to the continued development of the service and prestige of this institution,

THEREFORE, BE IT RESOLVED, That we, the members of the Board of Trustees, extend our wholehearted appreciation and thanks to John and Rose Oswald on this, their tenth anniversary at Penn State.

National Public Radio affiliated station approved

The establishment of a National Public Radio affiliated station to serve central Pennsylvania was authorized by the Trustees. Approval was given for Penn State to apply to the Federal Communications Commission for a preliminary permit and station license.

If the application is approved by the FCC, the station at University Park could be on the air within two years, according to Dr. Richard E. Grubb, senior vice president for administration.

"The station would operate within the context of Broadcasting Services, a unit of Continuing Education, which already has responsibilities for the operation of public television station WPSX-TV," he said.

No new University general funds will be allocated for this purpose, Dr. Grubb noted.

National Public Radio (NPR) affiliates already exist in Philadelphia, Scranton, Hershey, Pittsburgh and Erie, operating within organizations established for each community's public television station.

"For more than a decade, there has been strong interest at the national, state and local level for the University to establish

such a station to provide quality programs in central Pennsylvania," Dr. Grubb said.

"Preliminary technical and financial feasibility studies within the University indicate that the circumstances are right to move ahead with the station with the understanding that no new general funds would be committed to it but that the financing would come from private and public sources."

A number of agencies, including NPR, the Corporation for Public Broadcasting and the National Telecommunications Information Agency of the Department of Commerce, offer grants for planning and operating public radio stations. In addition, foundations and several major industries provide funds to NPR affiliates.

The proposed station would be entirely separate from WDFM, the existing student-operated educational radio station.

"WDFM has a rich history, a long tradition, and a strong loyalty among the students," Dr. Grubb said, "and should not be disturbed in attempting to achieve the educational benefits which a public radio station can bring to the University and central Pennsylvania."

Penn State, he commented, has been active in radio broadcasting since the early

(Continued on page 4)



SWEPT AWAY — a view of last week's Central Pennsylvania Festival of the Arts by Scott Johnson

Penn Staters

Three Penn State faculty members have received Fulbright awards.

Dr. Alice Schwartz, professor of art education, was granted an award to do research on art appreciation in Korea. She will be based at the Korean Educational Development Institute in Seoul. Dr. Schwartz, a member of the faculty since 1965, earned her M.F.A. and B.F.A. degrees at the University of Kansas and her D.Ed. at Penn State.

Dr. Adam J. Sorkin, assistant professor of English at the Delaware County Campus, has received a Fulbright award to teach American literature at the University of Bucharest, Romania, from September 1980 through June 1981. Dr. Sorkin, a graduate of Cornell University, earned his Ph.D. at the University of North Carolina. He taught at Bluefield (West Virginia) State College, Drexel University, and the University of Illinois prior to joining the Delaware County Campus in 1978.

Stanley R. Hunter, a research assistant in agricultural economics and rural sociology, received a Fulbright to lecture and conduct research at Kyunghee University in Seoul. A doctoral candidate at Penn State, he holds a B.A. from Westmont College and an M.S. from North Carolina State University.

Dr. William Steele, professor of chemistry, has been named one of four associate editors of the *Journal of Physical Chemistry*, a publication of the American Chemical Society.

Dr. David C. Williams, an assistant professor in the Division of Education Policy Studies, presented a paper on adult education and national development in the Commonwealth Caribbean at the 2nd annual meeting of the Association for Caribbean Studies in Nassau, the Bahamas, this week.

Dr. Jack H. Willenbrock and Dr. H. Randolph Thomas, associate and assistant professors of civil engineering, respectively, are editors of a recent book, *Planning, Engineering, and Construction of Electric Power Generation Facilities*.

Published by John Wiley & Sons of New York, the book provides professionals and students with comprehensive, current, and practical knowledge about power plant construction. It is part of the Wiley Series in Construction Management and Engineering.

Dr. Willenbrock is also a contributing author of the volume. Other Penn State contributors include Gordon E. Robinson, associate professor of nuclear engineering; Frederick C. Haaser, a graduate student in nuclear engineering; and Carl H. Wolgemuth, professor of mechanical engineering.

Staff Development

Seventeen clerical employees of the University have completed an eight-week Writing Skills for Secretaries/Clericals program. They are:

Janice Brown, secretary, ARL; Vickie Gerontinos, secretary, ARL; Dorcas Holt, secretary, Human Development; Mary Husband, secretary, Graduate School; Jenny Kitch, secretary, UDIS; Linda Lucas, technical secretary, ARL; Suzanne Maehron, clerk typist, Continuing Education; Janis Marshall, secretary, Agricultural Administration; Kathleen Matson, secretary, Human Development; Kimberly McCartney, receptionist-typist, Human Development; Angie Pavone, secretary, Housing and Food Services; Shirley Rader, secretary, IRP;

Joan Reish, statistical drafting clerk, Planning and Budget; Barbara Robinson, secretary, Liberal Arts; Sandra Rogus, secretary, Undergraduate Admissions; Barbara Thwaites, secretary, Continuing Education; Margaret Wenrick, secretary, Human Development.



Dr. Paul T. Baker, professor of anthropology, has been named head of the Department of Anthropology. He succeeds Dr. Warren T. Morrill, who had asked to return to full-time teaching and research.

Dr. Baker, who was elected to membership in the National Academy of Sciences this Spring, is widely known for his research in the Peruvian Andes on the adaptation of human beings to high altitude.

He has written extensively on that subject and edited the following books: *The Biology of High Altitude Peoples* (Cambridge University Press, 1978); *Man in the Andes: A Multidisciplinary Study of High Altitude Quechua* (Dowden, Hutchinson and Ross, 1976); and *The Biology of Human Adaptability* (with J.S. Weiner, Clarendon Press, 1966).

These publications draw heavily on research undertaken in the International Biological Programme, a 10-year international research effort. Active in planning for that enterprise, Dr. Baker served as international coordinator of high altitude studies and as a member of the executive committee of the U.S. program.

His most recent research examines the effects on native Samoan populations of migration to modernized areas.

Dr. Baker is a past president of the American Association of Physical Anthropologists and the Human Biology Council, and is a co-founder and current president of the International Association of Human Biologists.

He is a fellow of the American Anthropological Association and the American Association for the Advancement of Science.

In 1962, Dr. Baker was a Senior Fulbright Research Scholar in Peru and a Fulbright Lecturer in Brazil. In 1968, he was a NATO Senior Science Fellow at Oxford University; and in 1974, he was awarded a Guggenheim Fellowship. Dr. Baker was the physical anthropology editor for the Addison-Wesley Series in Anthropology from 1970 to 1975, and for *American Anthropologist* from 1973 to 1976. He served as film editor for the *American Journal of Physical Anthropology* from 1970 to 1972. Since 1969, he has been a member of the editorial board of *Human Biology*.

Dr. Baker has played a major role in developing Penn State's doctoral program in anthropology and has designed courses for Continuing Education and for television. He holds a B.A. from the University of New Mexico and a Ph.D. from Harvard University.

Retirements

Dr. Donald H. Petersen, professor of plant pathology Extension, retired June 30 with 12 years of service. His primary responsibilities have been in assisting county Extension agents with educational fruit disease programs in the Commonwealth.

Dr. Petersen received his B.S. and M.S. from Michigan State University and a Ph.D. from Clemson University, all with a major in plant pathology. Prior to being appointed to the faculty in 1968, he was employed for 18 years by the Agricultural Research Service of the U.S. Department of Agriculture.



S. Glenn Ellenberger, Lehigh County senior Extension agent, retired July 15 after 34 years of service.

He joined the Extension Service staff in 1946 as assistant Somerset County agent, was promoted to Lehigh County agent in 1951, and in 1975 was one of four persons in the State promoted to the newly established rank of senior Extension agent.

Mr. Ellenberger earned his B.S. in agronomy from Penn State in 1940. During World War II, he was a B-17 pilot and was awarded the Distinguished Flying Cross.

A national leader in providing assistance to the potato grower, Mr. Ellenberger was active in 4-H affairs, for 20 years chairing the Tri-County 4-H Baby Beef and Lamb Show and Sale. He helped promote farm-city unity through television programs and led the State into a different type of testing program in corn production.

Mr. Ellenberger has received numerous awards, among them the Master Educator Award of the Pennsylvania Association of Farmer Cooperatives and a Distinguished Service Award from the national county agents association. He served as president, vice-president and secretary-treasurer of the Pennsylvania Association of County Agricultural Agents.

Obituaries

Dr. Francis P. Callahan, an associate professor of industrial engineering at the Radnor Center and a faculty member since 1969, died July 2. He was 64. Dr. Callahan worked in the mathematical analysis department at General Electric before coming to Penn State. He held a B.S. from Fordham University, an M.A. from Columbia University, and a Ph.D. from the University of Pennsylvania.

Clarence D. Kline, a food preparer with Housing and Food Services, died July 7. Mr. Kline, a DuBois native, was 65. He worked as an assistant cook from 1964 to 1970, retiring in 1977.

Harold H. Johnson, associate professor of general engineering at Mont Alto, died July 6 at the age of 56. A long-time member of the University Faculty Senate, Professor Johnson joined Penn State in 1963 upon his retirement after 20 years of service with the U.S. Navy, Marines and Air Force. He held a B.S. from the University of South Carolina.

Funding Sources

For further information, call 865-1372.

(339-1) The National Science Foundation program Industry/University Cooperative Research (CIRA, 17.054) has been funded for FY80. Researchers in both industry and academe will be encouraged to communicate and cooperate through this program. Proposals are to be prepared and submitted jointly. Proposed research should focus on fundamental scientific and engineering questions of a basic or applied nature and make a long-term contribution toward product or process innovation or improved technology information. Proposals are expected to range from \$50K to \$100K per year, averaging \$100K NSF R01-31 is available. The agency contact is 202-357-7784. Ref: CFDA added programs.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been identified by the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 472-1387). Applications for these staff vacancies will be accepted until 5 p.m., July 24, 1980. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

FINANCIAL AID COORDINATOR - PHEAA - OFFICE OF STUDENT AID, University Park. Responsible to the Assistant Director of Student Aid for providing information and problem resolution services to undergraduate and graduate students and for assisting in internal administration of financial aid programs. Coordinates and maintains liaison with the Pennsylvania Higher Education Assistance Agency with regard to the PHEAA Grant Program, as well as the other non-Pennsylvania State Grant Programs. Master's degree or equivalent in student personnel services, counselor education, or related fields, plus one year of effective experience, required.

ASSISTANT TO THE DEAN OF STUDENT AFFAIRS, Behrend College. Responsible to the Dean of Student Affairs for the administration and coordination of the financial aid and job placement programs. Position requires a master's degree in student personnel or related field with up to one year of directly related experience, or a bachelor's degree plus one to two years of directly related experience.

APPLICATIONS PROGRAMMER/ANALYST - INTERCOLLEGE RESEARCH PROGRAMS, University Park. Will be responsible for the Computer Center's on-line program libraries. This includes the acquisition, modification, and installation of language compilers, and programming packages. Will supervise graduate student and detail employees in order to carry out these duties. Will also work with other members of the Applications Group developing and maintaining utility programs which are used in supporting the group's function of providing user services to research faculty. Master's degree (or equivalent) in computer science, plus six to nine months of effective experience or bachelor's degree (or equivalent) in computer science plus one to two years of effective experience. Requires strong programming ability in two languages (including Fortran), plus good knowledge of operating system facilities.

There are positions in certain work units that, because of the large number of such positions, frequently are still available after employees in the work unit have been considered. They are listed below and will not be listed on an individual vacancy basis. Applications in such positions may be made at any time, and you are welcome to make your interest known now to the Employment Division for future consideration when such vacancies occur. These positions are:

POSITION TITLE	LOCATION
Assistant Coordinators	Student Affairs
Assistant Food Supervisors	Housing and Food Services
Computer Operators	IRP
Shifts are: 8 a.m. to 4:30 p.m.; 4:30 p.m. to 1 a.m.; 12 midnight to 8 a.m.	
Programmers	Management Services
Residence Hall Area Coordinators	Student Affairs
Cardiology Technicians	Hershey
Clinical Laboratory Assistants	Hershey
Clinical Laboratory Technologists (HEW)	Hershey
Critical Care Monitoring Technicians (Dr. & Sr. Levels)	Hershey
Cytotechnologists	Hershey
Licensed Practical Nurses	Hershey
Medical Technologists (CLIA, MLT, CLT-HEW)	Hershey
Nuclear Medical Technicians	Hershey
Perfusionists	Hershey
Pharmacists	Hershey
Physical Therapists	Hershey
Physician's Assistants	Hershey
Psychiatric Assistants	Hershey
Radiologic Technicians	Hershey
Research Technicians (Dr. & Sr. Levels)	Hershey
Respiratory Therapy Technicians	Hershey
Staff Nurses	Hershey

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Calendar

July 17-27 Special Events

Thursday, July 17

Drop deadline, pass/fail and course repeat deadline for 8 week Summer Term.
Festival Theatre, Eugene O'Neill, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre.

Friday, July 18

Commonsplace Theatre, *Steelyard Blues*, 7 and 9 p.m., Room 112 Kern.
Spectrum, Crystal Gable, 7 and 9:15 p.m., Eisenhower Auditorium.
Interlandia, folk dancing, 7:30-11 p.m., HUB Ballroom patio (rain, HUB Game Room).
Festival Theatre, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre.
HUB Movies, *Bonnie and Clyde*, dusk, HUB Lawn (rain, HUB Ballroom).
Astronomy Club Open House, 9 p.m., sixth floor, Davey. Cloud date, July 19.

Saturday, July 19

Shaver's Creek Nature Center, children's program, 9:30-11:30 a.m., Stone Valley, 865-1851 for further information.
France-Cinema, *Wertmuller, Seven Beauties*, 7 and 9 p.m., Room 112 Kern.
Festival Theatre, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre.
Euploganza film, *Singin' in the Rain*, dusk, Fisher Plaza.

Sunday, July 20

Deadline for registration for second session classes, HUB Craft Center, Room 312 HUB.
Festival Theatre, *Ah, Wilderness!* 7:30 p.m., The Pavilion Theatre.

Monday, July 21

ASA, Backgammon Tournament, 7 p.m., HUB Ballroom patio.
France-Cinema, *Seven Beauties*, 7 and 9 p.m., Room 112 Kern.
Coke Side Club meeting, 7:30 p.m., Room 189 MRL.

Tuesday, July 22

Euploganza concert, Marengo, 7:30 p.m.,



Ohio Ballet dancers

Fisher Plaza.
Festival Theatre, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre.

Wednesday, July 23

Commons concert, Aileen Bordman, noon, Kern Lobby.
Festival Theatre, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre.

Thursday, July 24

Math Colloquium, Ross Geoghegan, SUNY-Binghamton, "Shape - Some Good Ideas in a House of Ill Repute," 4 p.m., Room 102 McAllister.
Festival Theatre, theatre music by Jerome Kern, *Can't Help Lovin' Dat Kern*, 8 p.m., The Playhouse; *Ah, Wilderness!* 8 p.m., The Pavilion Theatre.
Spectrum, Fred Waring Youth Workshop Chorus, 8 p.m., Schwab.

Friday, July 25

Commonsplace Theatre, *Five Easy Pieces*, 7 and 9 p.m., Room 112 Kern.

Interlandia, folk dancing, 7:30-11 p.m., HUB Ballroom patio (rain, HUB Game Room).
Festival Theatre, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre; *Can't Help Lovin' Dat Kern*, 8 p.m., The Playhouse.
Spectrum, Fred Waring Youth Workshop Chorus, 8 p.m., Schwab.
HUB Movies, *Willard*, dusk, HUB Lawn (rain, HUB Ballroom).

Saturday, July 26

France-Cinema, *Truffaut, 400 Blows*, 7 and 9 p.m., Room 112 Kern.
Festival Theatre, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre; *Can't Help Lovin' Dat Kern*, 8 p.m., The Playhouse.
Spectrum, Ohio Ballet, Heinz Poll, artistic director, 8 p.m., Eisenhower Auditorium.
Euploganza film, *The Graduate*, dusk, Fisher Plaza.

Sunday, July 27

Commonsplace Theatre, *Five Easy Pieces*, 7 and 9 p.m., Room 112 Kern.
Festival Theatre, *Ah, Wilderness!* 7:30 p.m., The Pavilion Theatre; *Can't Help Lovin' Dat Kern*, 7:30 p.m., The Playhouse.

Exhibits

Chambers Gallery: Central Pennsylvania Festival of the Arts (CPFA), children's art exhibit, through July 23.

HUB Gallery: CPFA, exhibit by famous Pennsylvania painters; Art Alliance, juried members' show.

Kern Gallery: CPFA, juried prints and drawings and hand made paper, through July 23.

Museum of Art: CPFA, juried crafts: selected works from the permanent collection; Sidney Goodman: paintings, drawings and graphics, 1959-1979.

Pattee Library: Mary C. Rubinstein, illustrations from the works of Joseph Conrad and Jerry Kosinski, Main Lobby; Corita Kent, serigraphs; East Corridor Gallery; Laura Deyarmin, easel paintings, Lending Services Lobby.

Visual Arts Zoller Gallery: CPFA, juried photographs, through July 27.

Arts Roundup

Ohio Ballet to appear

The Ohio Ballet, which made its European debut last month at the Festival of Two Worlds in Spoleto, Italy, will appear Saturday, July 26, at 8 p.m. in Eisenhower Auditorium.

Its appearance is part of Nittany Mountain Summer Festival's Spectrum of Music and Dance.

Formed in 1968, the company has been called "bright and snappy" by the San Francisco Chronicle; "finely balanced, sharply disciplined" by the Atlanta Gazette; and "the best news in dance this season" by the New York Times.

Heinz Poll, who serves as artistic director of the Ohio Ballet, was the first dancer with the Berlin State Opera Ballet in East Berlin. He defected to the West and then spent 10 years dancing and choreographing for the National Ballet of Chile.

Mr. Poll also taught in New York at the National Academy of Ballet. He designed three ballets for the National Ballet of Canada and a full-length production of "Sleeping Beauty" for the Pennsylvania Ballet.

Among the 30 works he has created for the Ohio company are "Primavera," a Renaissance frolic; "Schubert Waltzes," a romantic ballet with a Viennese flavor; "Scenes from Childhood," a tale of shifting relationships among playing children; and "Summer Night."

Tickets for the performance are on sale at the Eisenhower Auditorium box office, weekdays from 9 a.m. to 4 p.m. Phone orders are accepted on Master Charge and VISA at (814) 863-0255.

"Ah, Wilderness!" opening

Ah, Wilderness!, a comedy by Eugene O'Neill, America's greatest playwright, opens tonight (Thursday) at The Pavilion Theatre as the third offering of the Nittany Mountain Summer Festival Theatre.

Set on the Fourth of July, 1906, the play is O'Neill's only comedy.

Former Penn State faculty member James Assad directs the play. Four-time winner of the Regional American College Theatre Award, he directed URC's first production, *The Shadow Box*, and most recently directed *Hamlet* at the Missouri Repertory Theatre, where he is currently associate artistic director.

Ah, Wilderness! reunites two members of his *Shadow Box* cast. Equity actor Stephen Keener returns as Sid, the occasionally inebriated uncle. Opposite Mr. Keener is Peg French as Lili, who rejected Sid's marriage proposal years ago. Ms. French comes to *Ah, Wilderness!* directly from her role in this season's opener, *The Good Doctor*.

The show also features Penn State graduate Dan Fox as the moody, dramatic Richard. Mr. Fox appeared in 1978 in "Festival Theatre's *Candida*. While at Penn State, he was in many Thespian productions, including *A Taste of Honey*, *Scapino*, and *Summer and Smoke*.

Ah, Wilderness! runs until Aug. 3. Tickets are available by calling the box office in the Arts II Building at (814) 865-1884.

Report

(Continued from page 1)

assumed that funds to support the non-preferred items would be available.

Two matters relating to funding the non-preferred bills had to take place in order to complete the funding as the legislative session moved toward recess. Neither of these actions had anything to do substantively with the University, its effectiveness or its operations. We had much interest in them, of course, because funding of our appropriations bill was involved.

One item, known as the "fee bill," would revise fees in a variety of State departments (not connected with higher education), including some fees which have not been changed for many years. Based on earlier discussions among both parties of the legislature in both houses, we assumed that this bill would proceed. Instead, for a variety of reasons, again unrelated to Penn State, it became quite controversial. While it was being considered, the unemployment compensation bill, about which there were also great differences of opinion, was under active consideration. Again, this was not a bill relating to Penn State. After a number of votes that attempted to resolve the differences in the fee bill, the legislature in the end adjourned without passing the bill, and thus without providing the necessary funding.

A second action, administrative in character, would have been an increase in revenues by the Liquor Control Board. This also was anticipated but did not take place. As stated above, the legislature, however, recessed until September before either of the two actions, one legislative and one relating to a board of the state, had occurred. Accordingly, there were insufficient funds with which to support non-preferred appropriation bills that had been previously passed - among them Penn State's \$127 million.

I would emphasize again that neither of the funding actions that failed to take place had any relationship to the University other than the fact that they would have been a part of the package of the funds necessary to support all of the non-preferred bills.

When it became apparent that there was a possibility that the legislature might adjourn prior to the final funding of the non-preferred area of the budget, there was much action on the part of this University working in very close consort with the University of Pittsburgh, Temple University, the University of Pennsylvania, and many legislators. Our discussions with the budget office and the Governor were aimed at delaying and modifying the reduction in funding that would become necessary without sufficient monies to support all the non-preferred bills.

These actions proved to be successful. On July 11, I was informed officially that the Governor had signed the non-preferred appropriation bills, but abated them by 10 percent. However, to minimize the impact upon the institutions and in anticipation of a restoration of these funds when the legislature once again assembles, Penn State will receive its payments, for the first three months, at the level of the \$127 million appropriation as passed by the legislature. This permits Penn State time until October to muster the strongest possible effort to assure the restoration of the funding to the legislatively approved level.

While we certainly hope that it will not be necessary to operate even for a single month at the abated level, I do wish to express Penn State's appreciation to all who were helpful in this effort for the manner in which the abatement was made. I also do not ever recall a time when there was a closer and more effective working relationship among the major institutions of this state.

There are many hopeful signs in the

present situation. During this past week, I have not talked to a single legislator in either party who has not assured me of his or her intention to correct this situation when the two houses return. Nevertheless, it is potentially very serious, and much work has to be done in order to assure restoration of our original funding level.

As far as the budget for 1980-81 is concerned, the University is proceeding, along with the other major institutions of higher learning, to implement the operating budget as approved by the Board of Trustees in May, including the new salary levels. This action reflects the policy that economic welfare of the faculty and staff members is of the very highest priority. In all other areas, immediate steps are being taken to reduce the expenditures under stringent budgetary policies that will go into effect until the funding issue is resolved. Prudence dictates further that we prepare contingency plans. The principal officers of this University have been expending long hours working on many types of plans and options geared to a variety of alternate support levels. The three-month, full-funding period gives us more time in which to develop with greater refinement contingency plans in the unlikely event that they are needed. Any such plans, if they ever become necessary, would require Trustee consideration and approval.

Meanwhile, all must be aware that three actions must be completed before this problem is solved. The first is the passage of the fee bill, which will provide a portion of the necessary funds. The second involves action by the Liquor Control Board to increase revenues, the income from which would support the non-preferred budgets. Finally, when the funds are restored, a deficiency appropriation equivalent to the amount abated from the budget will have to be reappropriated by each house of the legislature.

A first-rate job was done during a difficult period by a number of people, including Fred Ciletti and Frank Forni, our

principal representatives in Harrisburg, and by our legal staff. A number of trustees, in particular Roger Madigan, who serves as a member of the General Assembly, and many members of both political parties also were most helpful in supporting our efforts. Representative Gregg Cunningham, of State College, played a significant role in the plan that enabled the University to receive its first-quarter payments at full funding.

To sum up, a crucial task remains to be done to assure the accomplishment of the three actions still needed.

Trustee Docket

(Continued from page 1)

days of the medium. In addition to WDFM, in operation since 1952, a high powered station was located on campus from 1923 to 1933 with a signal that was received in Cuba, California and Canada. New federal regulations in 1933 required the station's closing.

As far back as 1962, University Trustees authorized establishment of a public radio station, and in 1969 an informational report to the Board was made on steps to achieve that goal.

"It is only now, however, that circumstances appear right for the University to move ahead and the President has stimulated this action," Dr. Grubb added.

He noted that the proposed station could use many facilities of WPSX-TV and thus could go on the air without a prohibitive capital expenditure. Moreover, the level of financial and program support available is now considered adequate.

NPR affiliates have the opportunity, but not the obligation, to carry a diverse schedule of programs available to public radio stations nationwide. As is the case with all radio stations, Dr. Grubb noted, the local license holder has the responsibility for presenting programs to meet the needs of communities served by the station.

The exact coverage area of the station cannot be determined in advance of FCC approval on licensing, location of the radio wave frequency on the FM band, and transmission power.

Some PSU funds switched to minority-owned bank

The New World National Bank of Pittsburgh, the only minority-owned bank in Pennsylvania, will be a depository for some of the University's funds, following action taken by the Board of Trustees.

The Trustees authorized bank officials to honor checks, notes and other orders of payment written by appropriate University officials.

"During its short life, the New World National Bank has a good record among developing financial institutions, and we are looking forward to a long and mutually satisfying relationship," Robert A. Patterson, senior vice president for finance and operations, informed the Trustees.

Mr. Patterson said the banking relationship is especially gratifying because of Penn State's commitment to support minority-owned businesses.

"The University has a strong tradition of support for business firms that are owned and operated by minority groups, and we are pleased to be able to continue that tradition in our new relationship with this fine institution," he said.

Pasto's contributions recognized in naming of museum

The University's agricultural implement museum at the Rock Springs Agricultural Research Center has been named the Jerome K. Pasto Agricultural Museum in honor of the person most instrumental in getting it established.

The Board of Trustees approved naming the museum for Dr. Pasto, who retired July 1 as professor emeritus of agricultural economics and associate dean emeritus for resident education.

"It was Dr. Pasto's special interest in the preservation of Penn State's historic landmarks and the collection of antique farm implements that made the museum a reality," President Oswald said.

"His interest led to a special project of the Agricultural Alumni Society, which created a museum to display collected and restored items from rural Pennsylvania. Dr. Pasto spent many weekends, vacation time and evenings, in addition to his normal college duties, in acquiring and restoring antique tools and equipment and setting up displays."

The museum was opened on May 5, 1978.

Dean Paulson on leave

Dr. Stanley F. Paulson, dean of the College of the Liberal Arts, will be on administrative leave for six months, the Trustees were informed.

Dr. Paulson will be on sabbatical leave through Dec. 31 to participate in the Group and Organizational Behaviour Programme at the Center for Applied Social Research of the Tavistock Institute in London.

"Dr. Paulson is the first person to take advantage of the University's policy of providing sabbatical leave for administrators," President Oswald noted. "We are pleased that he has this opportunity to pursue research that will be of value in his own work and also of extreme importance to Penn State."

In particular, Dr. Paulson will study communication within the university organization and changes that may be necessary in light of economic constraints and other challenges the next several years will provide.

Dr. Paulson, who is also professor of speech communication, has been dean of the College of the Liberal Arts since 1969. During his absence, Dr. Arthur O. Lewis Jr., associate dean and professor of English, will be acting dean of the College.

New graduate program offered

A graduate program in Educational Theory and Policy will be instituted in the Fall of 1980.

The program, leading to a master of arts and a doctor of philosophy degree, is designed to prepare persons for careers in educational policy development and analysis. Subfields will include the cultural foundations of education, as well as educational theory and policy issues in the social sciences, management sciences and humanities.

The new program, which was approved by the Graduate Council, will not require the expenditure of any additional University funds. Faculty members in the Division of Education Policy Studies will provide leadership for the program. Faculties in the appropriate subject-matter departments in the Colleges of the Liberal Arts, Business Administration and Agriculture also will be involved in the programs.

University considering property near Behrend

The University is considering the lease or purchase of the physical plant of a former school adjacent to Behrend College, the Trustees were informed.

The 70-acre tract, including five buildings, was occupied by St. John Kanty Preparatory School until the institution closed recently. Robert A. Patterson, senior vice president for finance and operations, told the Board's Committee on Education.

"The property in question is available for either lease, purchase or outright purchase," Mr. Patterson said.

"We propose to negotiate with the proper parties representing St. John Kanty Prep for the purpose of leasing the facilities with the possibility that there will be a lease/purchase arrangement."

"The progress of these negotiations will be reported to the Board of Trustees at its September meeting."

Beautification project slated for Keller patio

A cast bronze sculpture, shrubbery and benches will be added to a patio area outside the J. Orvis Keller Conference Center at University Park.

The bronze figurative sculpture has been donated to the University by Sigrid Christensen, assistant professor of art at Penn State. An ad hoc committee chose the piece from among those entered in competition by sculptors on the Penn State faculty and staff. The overall project subsequently was approved by the University's Environmental Quality Board.

It is hoped that the project can be

completed in late Summer 1980. Funds for the project will come from undesignated alumni gifts, and no State or tuition money is involved.

Six projects identified for alternate funding source

The University has identified six construction projects which may use the Centre County Higher Education Authority as an alternate means of financing.

The projects, all of which have been approved by the Board of Trustees, have other primary sources of funding, according to Robert A. Patterson, senior vice president for finance and operations. "Arrangements with the Centre County Higher Education Authority are being made to insure alternate or supplementary financing should it be needed," Mr. Patterson noted.

"Because of its legal status, the authority can borrow money at comparatively low interest rates. It is in the best interests of the University and indirectly the county to take advantage of this."

"Preliminary meetings have been held between Penn State and county officers. A complete report will be submitted to the Board of Trustees at a later date."

Projects on the tentative financing list: total \$20.6 million in estimated construction costs. The projects are: an addition to the Milton S. Hershey Medical Center clinical sciences wing, Hetzel Union Building renovation, Beaver Stadium expansion, Indoor Sports Complex construction, Applied Research Laboratory addition, and completion of a tertiary wastewater treatment system.

The Centre County Higher Education Authority was formed in 1979 to finance certain Penn State capital construction projects at minimum cost.

Beaver Field to have two electronic scoreboards

Penn State's Beaver Stadium will have two new electronic scoreboards for the 1980 football season, University Trustees were informed.

"A large display board with modern electronic capabilities and a small auxiliary board will replace the existing scoreboards," according to Ralph E. Zilly, vice president for business.

The scoreboards will be installed at no cost to the University. The Quaker State Oil Refining Corp. and Central Counties Bank will sponsor the project under terms of a 10-year commercial leasing agreement with the manufacturer of the sign.

"Each firm will be permitted to advertise on fixed panels and on the main board. Sponsors' messages on the main section will be limited to four minutes during each football game," Mr. Zilly explained. "The commercial displays, subject to University review, will be limited to a maximum of 20 seconds each. At the end of 10 years, outright ownership of the boards will pass to the University."

In addition to basic football information, the message center on the larger scoreboard will be able to deliver a wide range of messages, displays and animated pictures, Mr. Zilly said.

New funds announced

A Richard Leshock Scholarship has been established to help worthy students complete their college education. The initial principal of \$16,969 has been received from the estate of the late Mary K. Leshock of St. Petersburg Beach, Fla., in memory of her father.

A Student Loan Marketing Association Scholarship, providing support to the Penn State Scholars Program, will derive its funds from the annual dividends from the 500 shares of Student Loan Marketing Association common stock owned by the University.

A Ralph H. Wherry Student Service Award has been established to recognize outstanding seniors enrolled in the College of Business Administration. The fund's initial principal, \$3,500, has been

contributed by CBA alumni and by friends and associates of the late Ralph H. Wherry, who retired in 1970 as William Elliott professor of life insurance at Penn State. Professor Wherry died Dec. 5, 1976, in Bradenton, Fla. The award consists of a U.S. Savings Bond and an appropriate gift.

An Irving Segal Memorial Scholarship will help worthy students who need money to complete their college education. The initial principal derives from a bequest from the estate of Irving Segal, a teacher at Birmingham High School in Los Angeles, Calif. Mr. Segal graduated from Penn State in 1956 with a B.S. in education, earning his M.Ed. from the University in 1958. At Penn State, he served as vice president and president of Phi Epsilon Psi social fraternity.

Final plans for Hershey addition okayed

Final plans for an addition to the clinical sciences wing of The Milton S. Hershey Medical Center received Trustee approval.

The project — initially approved last September — will add two bays to the east end of the crescent-shaped front of the medical center. It will contain office and research space for faculty in the College of Medicine's clinical sciences department. The Medical School's extensive growth has caused serious space problems in these departments in recent years.

The cost of an addition, not to exceed \$10 million, will be paid for by a combination of a federal grant and funds generated by the medical center. These funds are available only for use at the medical center. No State or tuition funds are involved.

The Trustee action permits the University to seek bids and award contracts on the project. The timetable calls for bids to be received by late August and for construction to start by early October. Completion is scheduled for late 1982.

New kiosk installed

A new traffic control kiosk has been installed between Curtin Road and the Intramural Building at University Park.

Its purpose is to provide information and directions to the large number of visitors who approach the campus from University Drive. The kiosk also will be helpful to new students and their families when they come to campus to contact Admissions personnel located in Shields Building.

Since the Admissions Office was moved to Shields, traffic on the north end of campus has greatly decreased, and fewer visitors now approach from the south. Therefore, the staff of the kiosk formerly located on Burrows Road has been moved to the new location.

Program title changed

The title of the Speech Pathology and Audiology graduate program has been changed to Communication Disorders.

The new title follows a similar change made recently in the name of the undergraduate offering in recognition of the fact that a major part of the program is concerned with the education of the deaf.

Property sale authorized

The sale of a building and three surrounding parcels of land in Sharon was authorized by the Board.

The building, originally used as a classroom-laboratory facility at Shenango Valley, was vacated in 1969. It was given to Penn State by the Sharon Steel Company in 1968.

In all, the property consists of about 1.5 acres of land, the main building, a carport and a paved parking area.

Prior to the approval by the Trustees, acceptance of the offer was recommended by the Shenango Valley Campus Advisory Board.

Penn State Intercom



Renting a boat at Stone Valley was one way to beat the heat.

United Way Drive to institute new approaches

Penn State's University Park campus, in an effort to double the number of participants, will institute new approaches to increase the support for Centre County United Way this fall.

"Using techniques effective in other sectors, we hope also to double the amount of contributions," President Oswald says.

"As the prime employer in Centre County, the University has a responsibility to the community and to its employees, many of whom are served directly or indirectly by the 27 member agencies of United Way."

According to Dr. Oswald, the 1980 campaign at University Park, under the general chairmanship of Dr. Richard E. Grubb, senior vice president for administration, will center on a stronger and more structured internal organization.

"Emphasis will be on a personal, one-to-one peer solicitation to inform employees about United Way," notes Dr. Oswald.

"Confidentiality of response will be carefully controlled."

The University authorized United Way participation as the only charitable payroll deduction program in 1971. Prior mail campaigns at University Park have not been as effective in raising funds or informing people as have personal solicitation programs at colleges and universities throughout the country.

Planning and implementation for the 1980 United Way program are underway for the September kickoff on campus. Other changes in the campaign include a simplified contribution card, fewer printed materials and orientation for campaign volunteers.

Penn State's other 21 campuses conduct individual campaigns, working with local agencies. Penn State employees can direct contributions to any Pennsylvania United Way agency through the payroll deduction plan.

Associate chairpersons representing major areas at University Park are: Billy R. Baumgardt, Agriculture; William Allison, Arts and Architecture; William Decker, Business Administration; Charles Hosler, Earth and Mineral Sciences; Martha Adams, Health, Physical Education and Recreation; Joseph Britton, David Dimmick, Human Development; Edward Klevans, Engineering; Harold Mittel, Education; John Romano, Liberal Arts; E.S. Lindstrom, Sciences; Benjamin F. Howell Jr., Graduate School; Raymond O. Murphy, Student Affairs; Donald G. Dickason, Admissions; Steve A. Garban, Finance; Rosemary Schraer, Provost; John Leathers, Commonwealth Campuses; Mary Jane Wiles, Pattee Library; John A. Hargleroad, Administration; Harvey W. Wall, Undergraduate Studies; Forrest J. Rennie, Research; Marlowe Froke, Continuing Education; and Wade Barber, Technical Service.

Thanks to you...
it works...
for ALL OF US



United Way

Hollywood no longer has charms for this Political Science secretary

Earl Davis is back at Penn State, making the transition of his life.

His current position — secretary in the Department of Political Science — is light years away from his most recent job as a TV-movie critic for *The Hollywood Reporter*.

"As far as I know, I was the only writer in the country holding a major critic position in the arts on an influential mainstream newspaper who happened to be black," Mr. Davis says.

With *The Hollywood Reporter*, he published more than 500 reviews and interviewed such luminaries as Glenda Jackson, Walter Matthau, Mary Tyler Moore. He also appeared on the Steve Edwards Show on a roundtable discussion with other TV critics and, as an actor, appeared in *Cindy* and was cast in *Roots: The Next Generation*.

"No more," he declares. "Writing criticism no longer interests me. I will not undertake another critical position on a daily newspaper or magazine because it says both your energy and enjoyment of writing. Also, I don't consider criticism in any way creative; it's just the opposite — it's analytical — whereas creativity is emotional."

Earl Davis left Hollywood for a variety of reasons: a disgust with the TV-movie fare to which his job subjected him daily; the paucity of substantial acting roles for blacks; an accumulation of studio rejection slips for his screenplays; and, as he says, the skewed moral compass.

"If there's an epitome of American commercialism, Hollywood is it," he avers. "All people talk about — on all levels — are money and materialism. It's very easy to sit back and make that kind of judgment without being involved, but after 3½ years of direct involvement that's the way I see it."

It took some time for him to realize why his screenplays were invariably returned to him. "I had access to anyone who

mattered, and the powers-that-be said they were good," he explains. "But many of my characters were ethnic, and their personalities were rather complex. Television, however, prefers non-complex stereotypes."

Hollywood-style affirmative action still leaves much to be desired, he points out. "It's a segregated and closed society for minorities, even now, with only limited opportunities. If you're willing to be identified as a black actor or black writer, that's about as far as you can go."

His main work as a TV-movie reviewer grew increasingly intolerable. "Some people may think it's easy to watch, but 95 percent of the material is really embarrassing, essentially infantile. The real crime is that there's such an incredible amount of talent in this country, and in Hollywood it's just not being tapped. I think it's time the industry starts indoctrinating the American public with good material to balance out the bad; they'd find the public is not so stupid as the industry assumes."

"There are many people in the industry who realize that the standards are juvenile, but they become demoralized, cynical and mercenary."

"Despite Mr. Davis's distaste for Hollywood, he is neither demoralized, cynical or mercenary; quite the opposite."

"There's nothing you can do that isn't beneficial in some way. I've spent the past 10 years directing my energies toward going to Hollywood, and now I don't have to spend the rest of my life wondering how I might have fared. Now I have confidence to go anywhere."

His goal, however, is no longer geographic but qualitative. "I want to devote my energy to novels and books, which offer a much greater range of freedom. I'm more concerned with the intrinsic value and quality of my work than I am with fame and fortune."

(Continued on page 4)

News in Brief

Microcomputer users will meet Aug. 5

The Microcomputer Users' Group will meet Tuesday, Aug. 5, at 7:30 p.m. in Room 110 Computer Building. (Entry is through the back door.)

The meeting, one in a series, is for owners and other persons interested in TRS-80s, Apples, Ohio Scientific's, etc. The Computation Center hopes to formulate new ways to support users in the performance of their research and to provide a clearing house for hardware, software and trouble shooting information.

Three specific items will be discussed at the Aug. 5 meeting. First, the committee formulating an outline for a desired software package to facilitate communications between the University's IBM 3033 and microcomputers will present a report. Second, details on the new Apple III will be presented; and third, each person at the meeting will be given an opportunity to describe briefly his/her specific interests in microcomputers.

Future meetings will be held the first Tuesday of each month at 7:30 p.m. in Room 110 Computer Building.

Herzliche Glückwunsche zum Geburtstag!

The library of the University's Department of German has received a collection of 230 books on modern literature from the consulate general of West Germany.

The books were donated by the consulate general's New York office to commemorate the University's 125th anniversary.

Kern revue opens

Bruce Trinkley is the co-creator of Nittany Mountain Summer Festival Theatre's final offering, the musical revue, *Can't Help*

(Continued on page 4)

Penn Staters



Jerrold Maddox, formerly head of the Art Department at Kansas State University, has been named director of the School of Visual Arts and professor of art. He replaces Dr. Harlan E. Hoffa, acting director, who will return to full-time teaching.

Mr. Maddox, whose areas of concentration are painting, drawing and design, received his B.S. and M.F.A. degrees from Indiana University. He has served in both administrative and teaching capacities at Indiana University, as assistant to the chairman of the art department and as an associate professor of painting and drawing.

He has also taught at Montelith College of Wayne State University, Amherst College and Reed College, and has been a visiting lecturer in painting at the Regional College of Art and Crafts in Hull, England. As a visiting assistant professor at the University of Kentucky, he taught arts and humanities courses.

Solo exhibitions of Mr. Maddox's work have been held at the Donald Morris Gallery in Detroit, The Contemporaries in New York, the Jones Library in Amherst, and in galleries at the University of Kentucky and Montelith College. Mr. Maddox's works have been included in numerous group exhibitions throughout the United States and in England, among them shows at the Museum of Modern Art in New York and the Pennsylvania Academy of Fine Art in Philadelphia.

He is the author, with R.M. Capers, of *Images and Imagination: An Introduction to Art*. Since 1966, he has been an art book reviewer for the magazine *Choice*. Currently he serves on the board of directors of the National Council of Art Administrators.

Dr. George E. Andrews, professor of mathematics, has been named interim head of the Department of Mathematics. The department has a rotating headship. Dr. Andrews' predecessor, Dr. Donald Rung, will return to full-time teaching and research.

Dr. Andrews is the world's foremost authority on partition theory. His book, *The Theory of Partitions*, published in 1976, is the definitive work in this area. He is also the author of more than 100 research publications and two other books, *Number Theory*, published in 1971, and *The Collected Papers of P.A. MacMahon*, Vol. 1, published in 1978.

Last year, Dr. Andrews published the first announcement of his discovery of the "lost" notebook of S. Ramanujan, one of the giants of 20th century mathematics. He has presented invited lectures on this discovery at many leading universities, including Yale, Chicago, Wisconsin, Purdue, Australian National University, and the National University of Mexico.

Dr. Andrews was on leave during 1978-79 in New Zealand and Australia where he was a visiting lecturer and researcher at several universities. He has also served as a visiting professor at the Massachusetts Institute of Technology and the University of Wisconsin.

Dr. Andrews earned his Ph.D. at the University of Pennsylvania in 1964, the year he joined Penn State's faculty.

Dr. Herberta M. Lundegren, professor of physical education and recreation, has been named interim associate dean for graduate studies and research in the College of Health, Physical Education and Recreation. She will assume responsibilities for the graduate and research programs held by Dr. Karl Stoeckel, who was named acting dean of the College earlier this summer.

Dr. Lundegren joined the Penn State faculty in 1960. Before that she was an instructor at Wellesley College and at Miss Porter's School in Farmington, Conn.

She holds the B.S.Ed. from Tufts University, the M.Ed. from the University of North Carolina and the Ph.D. from The State University of Iowa. Her post-doctoral work was done at the University of Oregon. Her research interests have been largely in adapted physical education and therapeutic recreation in the areas of fitness, obesity (especially in children), and motor performance and development. She recently co-authored a book on recreation programming.

Dr. Richard P. Chait, assistant provost, has been invited to conduct an eight-day course on Personnel Policy and Administration at the Institute for Educational Management at Harvard University. Dr. Chait recently presented papers on "Academic Tenure in the '80s" at the National Conference of the Association of Governing Boards in Washington, D.C., and on "Faculty Development: Process and Payoffs" at the President's Institute of the American Council of Education in Ft. Myers, Fla. He is the author of chapters in two newly published books—*"What Should Academic Managers Be Managing?"* in *Preparing for the New Decade*, and *"Setting Academic Tenure and Personnel Policies"* in *Handbook of College and University Trusteeship*, both from Jossey-Bass Publishers, San Francisco. In addition, he recently conducted a workshop on program evaluation for officers of philanthropic foundations, sponsored by the Council on Foundations, and was named a consulting editor of *Change Magazine*.

George M. Enteen, associate professor of history, gave an invited lecture to faculty members and students in the history department at the University of Hawaii in June. His subject was "History and the Social Sciences: Emerging Patterns." Dr. Enteen also recently was invited to become a member of the editorial board of the journal, *Russian History*, and was designated editor of its historiography department.

Dr. Eugene N. Borza, associate professor of history, is one of several foreign scholars invited by the Minister of Culture of Greece to attend the formal opening ceremonies of an archaeological and historical exhibition in Greece. Entitled "The Search for Alexander," the exhibition will open this month in the Archaeological Museum of Thessaloniki. Dr. Borza has published numerous items on Alexander the Great and has been active in Macedonian studies. He will act as the historical consultant for the exhibition when it opens at the National Gallery of Art in Washington, D.C., later this year, and will begin his advisory work while in Greece at the Thessaloniki exhibition opening.

Dr. Dorothy V. Harris, professor of physical education, presented one of two keynote addresses at the International Congress on Women and Sport, held in Rome. The title of her paper was "Personality Research: Implications for Women in Sport." Dr. Harris was also reappointed to the Board of Overseers of Harvard College. She will serve on the Visiting Committee concerned with Athletics and Sport. Dr. Harris has served on this committee for the last five years.

Parris Chang, professor of political science, has returned from two months of travel in Japan, Thailand and Europe as a lecturer for the U.S. International Communication Agency. Dr. Chang also spent two weeks in the Soviet Union at the invitation of the Soviet Academy of Sciences, where he lectured.

Dr. Suzanne T. McDaniel, senior research associate, and John H. Beebe, research assistant, both of ARL, presented papers at a NATO-sponsored conference on bottom-interacting ocean acoustics, held in Italy at the Antisubmarine Warfare Research Center. Dr. McDaniel's paper was "Influence of Semiconsolidated Sediments on Sound Propagation in a Coastal Seabed." Dr. Beebe spoke on "Geoaoustic Models of the Seabed to Support Range-Dependent Propagation Studies on the Scotian Shelf."



Murray



Brantner



Hutchison

Dr. Seymour T. Brantner, associate professor of industrial education, was honored recently for 25 years of service to the University. He is a specialist on supervision and administration of vocational-industrial education and is the coordinator of vocational teacher certification in the College of Education.

Before joining the faculty in 1955, he was granted a B.S. and M.Ed. from Lock Haven State College and Penn State, respectively. His doctorate was earned at the University of Pittsburgh in 1962. He served during World War II and retired from the U.S. Naval Reserve, with the rank of Commander.

More recently, Dr. Brantner has been a visiting professor at the University of Missouri. He serves on the Inter-State Consortium Committee which is developing vocational supervisory and administrative standards. His most recent research and published monographs have dealt with administrative and supervisory competencies of the personnel in Pennsylvania's 86 area vocational-technical schools. He has written numerous articles about vocational-industrial education.

Gerald G. Hutchison, assistant supervisor of motion picture services in the University's Division of Instructional Services, retired June 30 after 32 years of service.

Mr. Hutchison first came to Penn State in 1948 as a clerk and driver in the Central Extension Department, the forerunner of Continuing Education. In 1950, he left to accept a position in motion picture services. As assistant supervisor, he was involved as a motion picture and animation photographer and was skilled in almost every phase of motion picture production.

His wife, Jean, retired in 1976 from her position as administrative aide to the director of ARL. One of the couple's two children, Larry, is currently employed by the Office of Physical Plant.

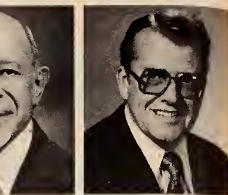
Mr. and Mrs. Hutchison plan to do some traveling and keep busy maintaining the garden acreage at their home in Julian, RD. Mr. Hutchison also plans to do some consulting work in motion picture production.

You could say that Gertrude L. Murray's retirement was Penn State's loss but the community's gain.

Mrs. Murray was already active in volunteer work while she was employed as a data processing clerk by Housing and Food Services. In addition to working for her church and in the Grange, she helped

Dr. Martha T. Halsey, professor of Spanish, has just returned from five weeks in Spain, where she lectured on the Spanish theatre and interviewed several contemporary playwrights. At the University of Salamanca, Dr. Halsey presented a series of three lectures on the dialectics of hope in the tragedies of Antonio Buero Vallejo, Spain's foremost living dramatist. Dr. Halsey is the author of a book and several articles on his drama.

Dr. Peter J. Behrens, assistant professor of psychology at the Allentown Campus, presented a paper, "The Making of Experimental Psychology," at the 22nd International Congress of Psychology in Leipzig, Germany, this month. His paper was part of a symposium honoring the 100th anniversary of the founding of the first psychological laboratory, begun at Leipzig by Wilhelm Wundt.



cook for Meals on Wheels in Tyrone. With her June 1 retirement, she'll spend the summer in her garden and then plans to devote herself to volunteer efforts for Church World Services.

Mrs. Murray was responsible for maintaining an inventory on all food items in her position in the Foods Building. When she started out at Penn State in 1955, she was a cost bookkeeping clerk for Physical Plant, and she later worked as a statistical clerk in the College of Business.

A widow, Mrs. Murray has three sons, a daughter, 16 grandchildren and two great-grandchildren.

(Continued on page 3)

Obituaries

Norman B. Buchanan, a faculty member from 1962 to 1979, died July 13. An associate professor of engineering graphics, Mr. Buchanan earned a B.A. in education in 1958 and an M.S. in engineering mechanics in 1964, both at Penn State. He was 47 years old.

George E. Ceiga, who retired in 1964 as associate professor of music emeritus, died June 12. Mr. Ceiga, who joined the faculty in 1947, served as University organist. A native of Indiana, he received his bachelor's of music degree from the American Conservatory of Music. He was the author of a number of musical works.

Ralph G. Lenker, a member of the staff from 1955 to 1973, died July 10 at the age of 71. Mr. Lenker worked as an auto mechanic for Physical Plant, as a driver and facilities operator for the College of Health, Physical Education and Recreation.

Alma R. Huetzler, a counter attendant with Woutz and Food Services from 1951 to 1971, died July 15 at the age of 73.

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University Park Calendar

July 24- August 10 Special Events

Thursday, July 24

Math Colloquium, Ross Geoghegan, SUNY/Binghamton, on "Shape—Some Good Ideas in a House of Ill Repute," 4 p.m., Room 102 McAllister.

Festival Theatre, theatre music by Jerome Kern, *Can't Help Lovin' dat Kern*, 8 p.m., The Playhouse, Ah, Wilderness! 8 p.m., The Pavilion Theatre.

Spectrum, Fred Waring Youth Workshop Chorus, 8 p.m., Schwab.

Friday, July 25

Commonsplace Theatre, *Five Easy Pieces*, 7 and 9 p.m., Room 112 Kern.

Interludia, folk dancing, 7:30-11 p.m., HUB Ballroom patio (rain, HUB Game Room).

Festival Theatre, Ah, Wilderness! 8 p.m., The Pavilion Theatre, *Can't Help Lovin' dat Kern*, 8 p.m., The Playhouse.

Spectrum, Fred Waring Youth Workshop Chorus, 8 p.m., Schwab.

HUB Movies, *Willard*, dusk, HUB Lawn (rain, HUB Ballroom).

Saturday, July 26

France-Cinema, Truffaut, *400 Blows*, 7 and 9 p.m., Room 112 Kern.

Festival Theatre, Ah, Wilderness! 8 p.m., The Pavilion Theatre, *Can't Help Lovin' dat Kern*, 8 p.m., The Playhouse.

Spectrum, Ohio Ballet, Heinz Poll, artistic director, 8 p.m., Eisenhower Auditorium.

Explanzanza film, *Thi Graduat*, dusk, Fisher Plaza.

Sunday, July 27

Commonsplace Theatre, *Five Easy Pieces*, 7 and 9 p.m., Room 112 Kern.

Festival Theatre, Ah, Wilderness! 7:30 p.m., The Pavilion Theatre, *Can't Help Lovin' dat Kern*, 7:30 p.m., The Playhouse.

Monday, July 28

First day to sign Fall Term NDLS and University Long Term Loans, Room 108 Shields.

France-Cinema, *400 Blows*, 7 and 9 p.m., Room 112 Kern.

Tuesday, July 29

Explanzanza Concert, Bob Doyle and Tad Marks, 7:30 p.m., Fisher Plaza.

Festival Theatre, Ah, Wilderness! 8 p.m., The Pavilion Theatre, *Can't Help Lovin' dat Kern*, 8 p.m., The Playhouse.

Wednesday, July 30

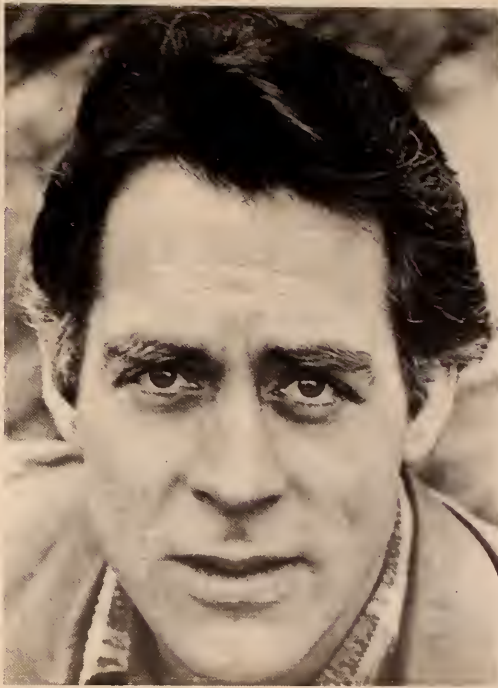
Commons Concert, Rich Lyle, noon, Kern Lobby.

Shaver's Creek Nature Center, reptile and amphibian program, 6 p.m., Spring Creek Park, Houserville.

Festival Theatre, Ah, Wilderness! 8 p.m., The Pavilion Theatre, *Can't Help Lovin' dat Kern*, 8 p.m., The Playhouse.

Thursday, July 31

Festival Theatre, Ah, Wilderness! 8 p.m., The Pavilion Theatre, *Can't Help Lovin' dat Kern*, 8 p.m., The Playhouse.



Stephen Keener appears in 'Ah, Wilderness!' at The Pavilion Theatre.

Pavilion Theatre, *Can't Help Lovin' dat Kern*, 8 p.m., The Playhouse.

Friday, August 1

Phi Delta Kappa/College of Education Summer Lecture Series, 2:20 p.m., Room 112 Kern.

Panel discussion on international education, "Needed: World Citizen Teachers," Paul Bixby, education (emeritus), moderator.

Annual Square Dance Festival, 5 p.m. to midnight, HUB Ballroom and North Lounge.

Commonsplace Theatre, Ah, Wilderness! 8 p.m., The Pavilion Theatre, *Can't Help Lovin' dat Kern*, 8 p.m., The Playhouse.

HUB Movies, *Guess Who's Coming to Dinner?* dusk, HUB Lawn.

Saturday, August 2

Annual Square Dance Festival, 9 a.m.-midnight, HUB Ballroom, North Lounge and Room 301.

France-Cinema, *Weir, Picnic at Hanging Rock*, 7 and 9 p.m., Room 112 Kern.

Festival Theatre, Ah, Wilderness! 8 p.m., The Pavilion Theatre, *Can't Help Lovin' dat Kern*, 8 p.m., The Playhouse.

Explanzanza film, *The Great Dictator*, dusk, Fisher Plaza.

Sunday, August 3

Commonsplace Theatre, *Performance*, 7 and 9 p.m., Room 112 Kern.

Festival Theatre, Ah, Wilderness! 7:30 p.m., The Pavilion Theatre, *Can't Help Lovin' dat Kern*, 7:30 p.m., The Playhouse.

Monday, August 4

France-Cinema, *Picnic at Hanging Rock*, 7 and 9 p.m., Room 112 Kern.

Interdisciplinary Symposium on Value Lecture, 8 p.m., Room 101 Kern. Robert Price, philosophy, on "Ethical Issues in the Use of Deadly Force."

Tuesday, August 5

Red Cross Bloodmobile, 10 a.m.-5 p.m., HUB Ballroom.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Explanzanza Concert, Reuben & the Hipsters, 7:30 p.m., Fisher Plaza.

Festival Theatre, *Can't Help Lovin' dat Kern*, 8 p.m., The Playhouse.

Wednesday, August 6

Last day to sign Summer Term NDLS and University Long Term Loans, Room 108 Shields.

Late drop deadline for 10 week Summer Term. Commons Concert, Buffalo Chipkickers, noon, Kern Lobby.

Shaver's Creek Nature Center, Charles Ruschky, entomology, insect program, 7:30 p.m., Civil Engineering Camp, Stone Valley.

Festival Theatre, *Can't Help Lovin' dat Kern*, 8 p.m., The Playhouse.

Shaver's Creek Nature Center, Charles Ruschky, entomology, insect program, 7:30 p.m., Civil Engineering Camp, Stone Valley.

Festival Theatre, *Can't Help Lovin' dat Kern*, 8 p.m., The Playhouse.

Thursday, August 7

Late drop deadline for 6 week Summer Term. Festival Theatre, *Can't Help Lovin' dat Kern*, 8 p.m., The Playhouse.

Spectrum, Fred Waring Youth Workshop Chorus, 8 p.m., Schwab.

Friday, August 8

Commonsplace Theatre, *The Magic Christian*, 7 and 9 p.m., Room 112 Kern.

Festival Theatre, *Can't Help Lovin' dat Kern*, 8 p.m., The Playhouse.

Spectrum, Fred Waring Youth Workshop Chorus, 8 p.m., Schwab.

HUB Movies, *Deliverance*, dusk, HUB Lawn (rain, HUB Ballroom).

Saturday, August 9

France-Cinema, Bunuel, *That Obscure Object of Desire*, 7 and 9 p.m., Room 112 Kern.

Festival Theatre, *Can't Help Lovin' dat Kern*, 8 p.m., The Playhouse.

Explanzanza film, *Filmore*, dusk, Fisher Plaza.

Sunday, August 10

Commonsplace Theatre, *The Magic Christian*, 7 and 9 p.m., Room 112 Kern.

Festival Theatre, *Can't Help Lovin' dat Kern*, 7:30 p.m., The Playhouse.

Exhibits

Chambers Gallery: Randy Cleaver and Kelly O'Connor, BF-A exhibit of sculptures and paintings, opens July 3.

HUB Gallery: CFFA, exhibit by Pennsylvania Painters, Art Alliance, juried members' show, both through July 26.

Kern Gallery: CFFA, juried prints and drawings and hand made paper, through July 26. Diane Bosnik, oil paintings; Zelia Couto, paintings; Jeff Dennis, ceramics, all open August 1.

Museum of Art: CFFA, juried crafts; selected works from the permanent collection; Sidney Goodman; paintings, drawings and graphics, 1959-1979.

Pattee Library: Mary C. Rubinstein, illustrations from the works of Joseph Conrad and Jerzy Kosinski, Main Lobby; Corita Kent, serigraphs, East Corridor Gallery; Laura Dayaramin, easel paintings, Lending Services Lobby, all through July 31.

Visual Arts Zoller Gallery: CFFA, juried photographs, through July 27.

Penn Staters

(Continued from page 2)

Russell N. DeViney, associate professor of English, speech communication and the humanities at the Allentown Campus, was presented with the traditional Penn State chair upon his retirement June 30 after 25 years of service. He joined the faculty in 1955.

Professor DeViney received his B.A. from Muhlenberg College and his M.A. in English from Lehigh University. At Allentown, he served as advisor to the student newspaper and the yearbook, and was chairman of the Faculty Senate. He is the author of a number of articles in professional journals and taught, while on sabbatical, at the Bolton Institute of Technology in England.

Frances E. Decker is retiring with memories that "are only of the best of Penn State," and she hopes her retirement days will also be a source of pleasant memories. She and her husband, George, intend to spend more time fishing and

boating and going on an occasional trip. A former seamstress, she will take up needle and thread again—particularly when the advent of cool weather frees her from the upkeep of her two-acre garden.

Mrs. Decker, a secretary in the Listening-Learning Services of the University Division of Instructional Services, retired June 30 after 23 years of service. She started out as a mimeograph operator in the College of the Liberal Arts, running tests for all the departments in the College. After nine years, she switched to Listening-Learning Services, where she performed general clerical duties.

Mr. and Mrs. Decker are residents of State College and have two children.

Looking ahead, when Robert F. Frazier designed the plans for his house—which he built himself, moving in last year—he included a woodworking shop. That's where he'll be found now that he's retired as chief coordinator-inspector in the Office of Physical Plant.

Mr. Frazier makes clocks to order, and his retirement plans also include hunting,

fishing and tending his large garden. Travelling will have to wait since his wife, Lois, will not retire until next year.

Mr. Frazier started his Penn State career in 1947 with the College of Agriculture, working as a dairy barns helper until 1952. He returned to the University as a carpenter in 1956, worked as a painting foreman and coordinator and in 1978 became chief coordinator.

Both his sons are Penn State alumni. Jeffrey graduated in 1967 in chemistry and Scott in 1972 in accounting.

John L. Ibberson, a laboratory x-ray assistant at Hershey, retired July 3 after serving on the staff since July 1, 1975.

Eugene J. McNelis, a maintenance worker, utility, in the Applied Research Laboratory since Sept. 18, 1967, retired July 19.

Barbara A. Poorman, a senior records clerk in the College of Human Development, retired July 12. She had been an employee since June 13, 1960.

New Faculty Hershey

Barry R. Dworkin as associate professor of behavioral science. B.A., U. of Chicago; M.A., U. of Missouri; Ph.D., Rockefeller U. Formerly research fellow, Cornell Medical College; assistant professor, Rockefeller U.

George D. Rose as associate professor of biological chemistry and director of research. B.S., Bard College; M.S., Ph.D., Oregon State U. Formerly assistant professor, U. of Delaware.

Mark F. Bellinger as assistant professor of surgery and pediatrics. B.S., Lemoine College; M.D., SUNY Upstate Medical Center. Resident, surgery and urology, Medical College of Virginia; fellow, urology, Children's Hospital of Philadelphia.

Eric W. Blom as assistant professor of plastic surgery. A.B., Cornell U.; M.D.,

(Continued on page 4)

Hot weather watering strategies offered

Drizzle when it sizzles.

That's the strategy for homeowners to follow when watering their plantings during dry spells, according to J. Robert Nuss Jr., professor of ornamental horticulture Extension.

"The average homeowner does more damage than good when watering," Dr. Nuss says. "Running around for a half hour with a sprinkler in your hand won't help your trees and shrubs. What's needed is a deep, penetrating application."

Because such broad leaf evaporation as azalea, laurel, Japanese holly and rhododendron have shallow root systems, they are frequently the first to suffer in a drought.

"Most plants will tell you when they need watering," Dr. Nuss says. "If they wilt during the day but recover at night, they probably can get by with a good solid watering about every five days. If they're still wilted once the sun has set, you had better try to get some more water back into the soil."

Watering cannot be rushed, Dr. Nuss notes that it may take several hours to water a single tree. The water should trickle out at a rate slow enough to be absorbed by the soil. If you use a sprinkler, place a shallow pan in the area being watered to check the accumulation. You're finished when there is one-half to three-fourths of an inch of water in the pan.

"Sometimes," Dr. Nuss points out, "you can't put on as much water as the soil needs at one time. If you water for an hour and notice that the water is starting to run off the surface, turn off the hose and put it back on later in the day. It takes a considerable quantity of water to penetrate a fairly shallow layer of soil."

"The occasional thunderstorm which accompanies a heat wave generally doesn't put down enough water to do much good because the water runs off faster than it can penetrate the soil. A slow drizzle is preferable to a deluge."

The big trees on your property usually can fend for themselves, Dr. Nuss suggests concentrating your efforts on trees that are close to paved areas such as driveways and sidewalks, where there is a potential for the roots to become constricted. Trees planted within a last several years will be less able to withstand

dry weather conditions than those that are 10- to 20-years old.

Proper mulching is another potent tool for homeowners worried about their plantings.

"Any material that meets an owner's personal requirements will work," Dr. Nuss says. "Most mulches are organic in nature, and shredded paper is just as effective as peat moss."

Dr. Nuss does not recommend using grass clippings, however, since they tend to heat as they decompose and cause, burning if placed against stems. They tend also to mat, thus smothering roots. Mulches should be fluffy, light-weight and porous.

"Apply them at least two inches deep," Dr. Nuss says. "More than four inches is a luxury. Don't let them come in contact with the stems of plants or the tree bark. They can be damaged by constant dampness or by the excess heat which occurs if mulches decompose rapidly."

Plastic mulches are ideal in small gardens, but they smother the ground if used to excess. Dr. Nuss recommends them only in areas no bigger than an absolute maximum of 100 square feet, and he advises punching holes in the plastic every few feet to allow rain and air to penetrate the soil.

"Even if you are using plastic mulch, be sure to give your vegetable garden a good soaking every two or three weeks if the soil is dry underneath," Dr. Nuss adds. "In a dry year, once the plants begin to grow, you have to replenish the moisture."

In addition to proper watering and mulching, anti-desiccants or anti-transpirants can help preserve shrubbery and small trees. These water soluble latex films are sprayed on the leaves, acting as a kind of plastic wrap. By sealing the leaves for a short period of time, they reduce water loss.

Dr. Nuss notes that the same watering advice applies to lawns as to shrubs. "You can do just as much damage with light sprinklings," he says. "Deep, infrequent watering is best."

Dry weather is not completely without its blessings, according to Dr. Nuss. As a plus, he points out that this year's lack of rainfall has reduced the numbers of certain insect pests.



Earl Davis

Hollywood

(Continued from page 1)

And so, in April, he left Hollywood for Penn State — a good place for reflection, he says, and a setting with which he is hardly unfamiliar.

A Philadelphia native, Mr. Davis came to the University in 1969 as a freshman enrolled in the Department of Theatre Arts. Through 1972, he appeared in over 30 productions and was a charter member of the original Children's Theatre Ensemble. He has also directed, produced and toured in his own shows.

Three of his plays have been produced: *After the Resurrection* (1968) in Philadelphia and *Change for a Dollar* (1971) and *Scenes from Black Life* (1972), both at Penn State.

He was movie critic for *The Daily Collegian* from 1972-74 and then social columnist for the same paper from 1975-76, his articles gaining him a nomination for the Hearst Award in Journalism.

A succession of personal problems interrupted his schooling during this time, and he never received his degree. But he's now contemplating a return.

In addition, he's writing several books. The first involves the compilation of his movie reviews into a three-volume work encompassing the past decade of American cinema. He also plans a biography on Lorraine Hansberry and a book on the James Bond films.

But his current preoccupation is his first novel, *A Shift of Light*. It's an adaptation of his screenplay about an actor who falls in love with a woman with two children and finds himself with the dilemma of opting for stability in his personal life or pursuing an unsatisfying, but financially rewarding, career.

He also plans to transform two other screenplays into novels: *Blind Justice*, about an actor who resents the influx of retired professional athletes into show business and plots their demise; and *The Out-Worlder*, a science fiction work centering on the Amish.

Meanwhile, Mr. Davis enjoys his secretarial work at the University. "In fact, it's therapeutic. I'm using skills unrelated to my former work; I occasionally feel the need to get away from the self-absorption the arts require. And you can always learn from any situation if your attitude is receptive; you can learn as much from typing a professor's manuscript as you would from a classroom lecture."

And the job does have its moments.

"It's always fun to hear the pregnant pause when people call and ask to speak to the secretary, and I tell them I am the secretary."

Funding Sources

For further information, call 865-1372

(142-1) Greater access to scientific research by minorities is being promoted by the National Science Foundation through its new Minority Research Initiation program. Program inquiries should be directed to the NSF program director in the professor's field of interest. Individual research initiation awards are expected to average \$25,000 per year for a maximum of three years. Proposals may be submitted at any time. General inquiries about the MRI program should be to: Dr. Rosevelt Gilbert at 202-357-7350. *Minorities include Blacks, Native Americans, Mexican-Americans/Chicanos, Puerto Ricans, and Alaskan Natives) Ref. NS860-42.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475, 1387). Applications for these staff vacancies will be accepted until 5 p.m., July 31, 1986. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

Applications for staff vacancies are considered, in accordance with Affirmative Action practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ASSISTANT DIRECTOR FOR DEVELOPMENT AND PLANNING, Fayette Campus. Under the Director will be responsible for planning, development and administration of programs for fund raising, alumni relations and public relations. Responsible for long-range planning and campus development.

Responsible for grant development and presentation of proposals. Bachelor's degree with three to four years of relevant experience in areas of development, fund raising, public relations and/or alumni relations. Higher education administrative experience desirable.

TUTOR COORDINATOR — STUDENT AFFAIRS, University Park. Responsible to the Assistant Vice President for Student Affairs for Special Programs and Services for coordinating the program of tutorial assistance and insuring its constant availability to students. Bachelor's degree (or equivalent), preferably in education, plus one to two years of effective experience. Master's degree is desirable, along with a knowledge of undergraduate curricula, established academic regulations and effective tutoring practices. This is a 10-month position beginning Aug. 18, 1986.

COUNSELOR — STUDENT AFFAIRS, University Park. Responsible for providing various services to individual students to enable them to adjust effectively to the University environment socially, personally, and academically to the extent that no other services are indicated. A master's degree in sociology or counselor education is required. Over one year and up to including two years of effective experience in a directly-related area are necessary. **THIS IS A FIXED TERM AND 10-MONTH POSITION BEGINNING AUG. 18, 1986.**

SPEECH PATHOLOGIST — COLLEGE OF MEDICINE, Hershey. Responsible to the Coordinator, Hearing and Speech Clinic, for performing a wide variety of duties in the diagnosis, treatment and evaluation of persons with various speech difficulties and defects. Master's degree in speech pathology with Certificate of Clinical Competence in Speech Pathology from the American Speech and Hearing Association, plus one to two years of effective experience.

COORDINATOR, CAMPUS RESIDENTIAL LIFE, Altoona Campus. Responsible to the Dean of Student Affairs for carrying out specific responsibilities for the Residence Hall program. The responsibilities include administration of the conduct standards system, selection and supervision of student assistants, developing cultural, social and educational programs and counseling of students. Bachelor's degree or equivalent, plus one to two years of directly related experience required, or a master's degree or equivalent in student personnel or related field, with three to six months of residence hall experience.

News in Brief

(Continued from page 1)

Lovin' Dat Kern, now running at the Playhouse.

Mr. Trinkley, an associate professor of music, and director Neal Kenyon have put together a potpourri of some 70 songs by Jerome Kern, composer of *Showboat*. The show spans Kern's career on Broadway and in Hollywood from the early 1900s to the mid-'40s. Audiences get a double bonus — a chance to observe the changing styles in musical theatre and the birth and burgeoning of the movie musical.

Can't Help Lovin' Dat Kern is patterned on Festival's 1977 review, *Gershwin Revisited*, put together by Mr. Trinkley and director Garland Wright.

"We had so much fun doing the Gershwin show that it seemed time to do something like that again," Professor Trinkley says. "We recorded several subjects; but Cole Porter, Noel Coward, Rodgers and Hart have been done so often, while Kern, with so many standards in his name, seems to be neglected."

The revue is all song and dance, featuring such tunes as "A Fine Romance," "The Last Time I Saw Paris," "They Didn't Believe Me," and a medley from *Showboat*. **Can't Help Lovin' Dat Kern** runs July 24-27, 29-31, Aug. 1-3 and 5-10. Tickets are available from the Festival Box Office (865-1884).

Hershey

(Continued from page 3)

Thomas Jefferson U. General surgery resident, Columbia Presbyterian Med. Ctr., plastic surgery resident, U. of Virginia.

Raymond R. Frapp as assistant professor of pediatrics, MB, B.Ch., U. of Wisconsin and Medical School, S.A. Resident, Red Cross Children's Hospital, S.A. Hershey Fellow, Yale-New Haven Hospital.

Daniel L. Grosso as assistant professor of radiology, B.S., Iona College; M.D., U. of Bologna, Italy. Chief resident, Monmouth Med. Ctr. Assistant radiologist, Associated Radiologists of Boston, Inc.

Kenneth L. Koch as assistant professor of medicine, B.S., U. of Iowa; M.D., U. of Iowa College of Medicine. Intern and resident, Hershey; fellow, gerontology, U. of Florida.

Lowell D. Mann as assistant professor of psychiatry, A.B., Goshen College; M.D., Jefferson Medical College. Formerly self employed in family practice of medicine.

James G. Marks, Jr. as assistant professor of medicine, B.A., Wilkes College; M.D., Temple U. Intern, Geisinger Medical Center; resident, physician, U.S. Air Force Major, Wilford Hall USAF Medical Center.

Wayne K. Marshall as assistant professor of anesthesiology, B.S., VPI, M.D., Medical College of Va. Resident, U. of Cincinnati, U. of Va.; research fellow, U. of Cincinnati.

Donald E. Martin as assistant professor of anesthesiology, B.S., Juniata College; M.D., Jefferson Medical College.

Intern, Lankenau Hospital; resident, fellow, Hospital of U. of Pa.

Richard E. Mattison as assistant professor of psychiatry, B.A., Lafayette College; M.D., Cornell U. Med. Ctr. Intern, Buffalo Children's Hospital; resident, Cornell U. Med. Ctr. Formerly medical director, UCLA-NPI Behavioral Health Services; private practice.

Harry E. Morgan as assistant professor of psychiatry, A.B., Dartmouth College; M.D., Harvard U. Medical School. Resident, Mary Imogene Bassett Hospital, Cooperstown, N.Y.; Dartmouth-Hitchcock Med. Ctr.; U. of Cincinnati Med. Ctr. Formerly instructor, U. of Cincinnati.

Joseph W. Sassani as assistant professor of surgery/pathology, B.S., Villanova U.; M.D., Jefferson Medical College. Intern, resident, fellow in ophthalmology, ophthalmic pathology, U. of Pennsylvania.

Richard S.K. Young as assistant professor of pediatrics, B.A., Stanford U.; M.P.H., Yale U.; M.D., Yale U. Medical School. Intern, U. of Washington Affil. Hospitals; medical officer, U.S. Public Health Service; resident, Mass. General Hospital.

Richard J. Zaino as assistant professor of pathology, A.B., College of the Holy Cross; M.D., Duke U. School of Medicine. Resident, Duke U. Formerly pathologist, Margaret Pardee Hospital, Hendersonville, N.C.

Carl F. Marfurt as instructor in anatomy, B.S., Fairleigh Dickinson U.; Ph.D., Temple U. School of Medicine.

Penn State Intercom

Invention royalties help support research programs

An \$85,000 royalty check for the licensing of Penn State inventions supports nine University research projects directed by faculty members whose ideas may lead to more inventions.

The check was presented by Michael J. Suber, Research Corporation, New York, to the Pennsylvania Research Corporation (PRC), which manages the University's internal inventions and patents program.

The Pennsylvania Research Corporation receives royalty income and recommends to the University how it is to be spent for faculty research. Research Corporation evaluates Penn State inventions, patents those accepted, and licenses them to industry.

Four of the nine projects receiving new PRC awards deal with mushroom improvements or products. They are:

"Nutrient influence on commercial mushroom growth," Dr. Lee C. Schisler, professor of plant pathology; "Mushroom cultivar identification," Dr. D. J. Royse, assistant professor of plant pathology, and M.H. Jodon, research assistant; "Fruiting of wild mushrooms for possible commercial cultivation," Royse, Schisler, and Jodon; and "Mushroom bacteria by-products as controls for green-plant diseases," Dr. P. J. Wuest, professor of plant pathology.

Energy-efficient vacuum pumps,

implantable power systems for heart assist pumps, separations with supercritical fluids and molecular sieves, photo enhanced field emission from semiconductor surfaces, and study of the Ruud-Barrett stress analyzer briefly describe other projects.

Dr. B.R. Kendall, professor of physics; Gerson Rosenberg, research associate; Dr. Paul Barton, assistant professor of chemical engineering; Dr. T.T. Tsong, professor of physics; and C.O. Ruud, senior research associate, respectively, are the principal investigators.

Six other Penn State faculty members in the past year won Cottrell Research awards, a national grants program sponsored by the Research Corporation. The six who conduct fundamental research in the physical sciences are: Drs. Moses H.W. Chan, Edward T. Dressler, Toshio Sakurai, Ayusman Sen, Barbara J. Garrison, and Antonio C. Lasaga. Penn State awards ranged from \$4,000 to \$15,000.

"In the past year, the University returned inventions and patents program returned about \$180,000 to grants programs," says Robert F. Custard, University patent counsel, "and another \$30,000 directly to Penn State faculty members and former graduate student inventors."

Three Penn State inventions generate

the bulk of these funds. These are the cold flow equipment invented by agricultural engineers William Kjeldgaard and Paul Anderson; heart pacemaker telemetry invented by Robert Brownlee, G.F.O. Tyers, and C. Voltz, and the mushroom delayed release nutrient by Dr. Schisler and former graduate student A.D. Carroll.

U.S. Steel sells the Cold-flow equipment, which more efficiently fertilizes soil and boosts corn silage protein. Intermedics, Texas, has incorporated Penn State telemetry improvements in its heart pacemakers; and Spawmte, California, sells the delayed release nutrient. In 1979, a total of 49 patents on University inventions were active.

"It's a long path for most University inventions to the marketplace," says Dr. Richard G. Cunningham, secretary of the Pennsylvania Research Corporation and vice president for research and graduate studies.

"And the path doesn't end when a company licenses and patents the invention, for most firms spend considerable time and money to perfect and market them. But at this time, when we hear national calls for innovation and productivity advances, we think the inventions and patents program is doubly important."

Telephone Directory procedures changed

This year, the Telephone Directory Information form will not be mailed to faculty and staff members for verification of information to be listed in the "Faculty-Staff Telephone Directory."

All "Faculty-Staff Telephone Directory" information is currently maintained in the University's official payroll file. Provisions have been made for updating office address, home address, office telephone, home telephone, and job title in the Payroll File.

Office and home addresses for all members of the faculty and staff are listed on employee payroll checks or deposit stubs. Employees should verify their addresses. If they are incorrect, the following forms should be submitted to change addresses and/or phone numbers:

1. Office Address and Phone Number — O.A.T.I. Form, Page 8.9, in the General Forms Usage Guide.
2. Home Address and Phone Number — W-4 Form, Page 5.6, in the General Forms Usage Guide.

Employees whose job titles have changed since the publishing of the last telephone directory should submit a Payroll Change Form (Page 5.12 in the General Forms Usage Guide) to change their job title on Official University Records.

All of the above forms are available from Personnel Representatives or Business Managers and must be submitted to Payroll no later than Sept. 12.

Personnel having a second title or office address and wanting both listed must contact Telephone Services no later than Sept. 12.

14 named to Engineering Dean search committee

Fourteen persons have been invited by Provost Eddy to serve on a search committee for the position of Dean of the College of Engineering.

The Committee, which will be chaired by Dr. Carl H. Wolgemuth, professor of mechanical engineering, invites nominations and applications for the position. They should be sent to Room 205 Old Main, University Park, Pa. 16802.

Committee members are: Dr. E. Emory Ensore Jr., associate professor of industrial engineering; Dr. Stephen J. Fonash, professor of engineering sciences; Robert L. Frantz, professor and head of mineral engineering; Dr. Robert S. Friedman, professor of political science; Dr. Louis F. Geschwindner Jr., assistant professor of architectural engineering; Nancy E. Kolb; Dr. Herschel W. Leibowitz, Evan Pugh Professor of Psychology; Alfred R. McClung, professor of engineering at New Kensington; Hollister D. McNeal; Dr. Blaine R. Parkin, professor of aerospace engineering and director of the Garfield Thomas Water Tunnel; Dr. Rosemary Schraer, assistant provost; John L. Swasy, lecturer in marketing; and Dr. Thomas Wartik, dean of the College of Science.

Correspondence study attracting 11,451 students

No one has yet devised a way to teach Speech 200, but some 230 other courses currently enroll 11,451 students in Penn State's Independent Study by Correspondence Division (ISC).

Penn State has the largest non-credit correspondence program and the fourth largest credit program of any college or university in the United States, according to ISC Director David F. Mercer.

"Correspondence is simply a methodology that has a unique feature — the elimination of the time and space constraints of a classroom," Dr. Mercer explains. "And it has a long tradition. Paul's Epistles to the Romans might be called the first correspondence course."

The impetus for correspondence study in this country was the Chautauqua movement, which began in 1874 in New York State as a training program for Methodist ministers and Sunday School teachers. Penn State was an early entrant in the field: "Chautauqua courses" in agriculture were available here as early as 1891. Today, some 70 colleges and universities sponsor courses as part of the nation's open learning movement.

"Open learning is a flexible learning system designed specifically to help adult students fit learning into their work schedules and family responsibilities," explains Marlowe D. Froke, director of Continuing Education's Division of Media and Learning Resources.

"Open-learning courses use a mix of correspondence study materials, television programs, audio cassettes, and other media so that students can study at home and at times most convenient to them. These media also allow students to study at their own learning pace."

Correspondence study thus not only functions on its own but also serves as the backbone for college credit television courses and as part of Penn State's unique



From left, Dr. Mercer confers with registration clerk Tammy Werner and clerk-typist Pat Harchak. Technical secretary Jill Crisman is seated behind them.

PENNRAMA educational service, which beams programs to students through the cooperation of cable television companies.

"Correspondence study was the beginning of open learning," Mr. Froke observes. "The newer media enrich, supplement and complement the basic concepts of correspondence study, resulting in more sophisticated open-learning systems."

"With the exception of Agriculture, each of the Colleges offers correspondence study through Continuing Education," Dr. Mercer continues. "Ag's non-credit courses are operated out of Cooperative Extension; and they focus on such practical, how-to-do-it subjects as

vegetable gardening, horse grooming, home canning and the like."

Ideas for new correspondence courses may be initiated by the Correspondence Study staff, by the Colleges, or even by students.

"Obviously some courses lend themselves more readily to teaching by correspondence," Dr. Mercer notes. "It's difficult to teach courses requiring laboratories, although we do offer Physics 202A with a lab. Each student is provided with a \$500 kit, including such items as a power pack, equipment to build an electric motor, a volt meter and magnets. We rent the kit with a \$22 service charge and a \$50 refundable deposit, less breakage."

(Continued on page 3)

Penn Staters

An honorary Doctor of Public Service degree was awarded Dr. Arthur H. Hayes Jr., professor of medicine and chief of clinical pharmacology at Hershey, by his alma mater, the University of Santa Clara. Dr. Hayes graduated from the University in 1955 and was its first Rhodes Scholar. Dr. Hayes has also been elected as one of six members of the board of trustees of the U.S. Pharmacopoeial Convention, the organization which sets the enforceable standards for all drugs and drug ingredients in the United States.

Dr. Susan F. Weis, associate professor of home economics education, has been appointed to the Pennsylvania Advisory Council on Vocational Education by Governor Thornburgh. The Council was established by federal legislation to review vocational education programs in the State, identify problems and needs, and make recommendations for improvements to the State Board of Education and the Department of Education. The Council includes representatives of business, industry, organized labor, education, students and the general public.

The research work of Dr. Kenneth K. Kuo, associate professor of mechanical engineering, has been cited by the Engineering Research Division of the U.S. Army Research Office (ARO) as an "Outstanding Accomplishment." Dr. Kuo's research project, "Combustion Processes in Granular Beds of Solid Propellants," was among four research projects out of 88 cited for special recognition in the Army's 1980 evaluation.

This is the second time Dr. Kuo's work has received special mention from the Army Research Office. The first time was during a previous evaluation in June 1977.

Dr. G. Phillip Cartwright, professor of special education, planned and chaired a national academy to train university and state personnel to develop state-wide plans for educating handicapped children. The academy was held at Gallaudet College, Washington, D.C., in June. Dr. Cartwright, who has just completed a term of office as president of the Higher Education Consortium for Special Education, also was an invited lecturer recently in Austin, Texas. Co-sponsored by the University of Texas and the Texas State Department of Education, he lectured on a state-wide plan for the training of regular educators to work with handicapped children in public schools.

Dr. M. Albert Vannice, associate professor of chemical engineering, presented an invited lecture on the application of infrared spectroscopy to catalytic reactions at the Gordon Research Conference on Catalysis in June. He was elected chairman for the 1982 meeting. He then flew to Tokyo and Seoul. In Japan he attended the 7th International Congress on Catalysis, chairing one session and presenting a paper on iron Fischer-Tropsch catalysts. In Korea, he was one of eight invited lecturers at the 1st Korean Catalysis Symposium. His lecture there described the effect of TiO_2 supports on catalytic activity and selectivity in CO hydrogenation reactions.

Dr. Robert A. Schlegel, assistant professor of microbiology and cell biology, was an invited speaker at two Gordon Research Conferences during June. In a conference on Drug Carriers in Biology and Medicine, he spoke on "Red Cell-Mediated Microinjection - Potential Application in Anticancer." At a conference on Introduction of Macromolecules into Eucaryotic Cells, his subject was "Red Cell-Mediated Microinjection to Study the Diffusion of Cytoplasmic Macromolecules."

Sara Lou Whildin, senior assistant librarian at Delaware County, has been elected to the board of directors of the Association of College and Research Libraries.

Leslie C. Hale, A. Robert Noll Distinguished Professor of Electrical Engineering, presented two invited papers last week at the Vth International Symposium on Atmospheric Electricity in Manchester, England. This meeting is held every four to six years to review developments in a very old but quite active branch of science which was largely initiated by Benjamin Franklin. Dr. Hale's first paper concerned the influence of tiny aerosol particles of probable extraterrestrial origin on atmospheric electricity. The second paper, in a relatively new area, dealt with the coupling of lightning and of the aurora borealis to the "global circuit," a system of electrical currents that flows in the atmosphere of the earth. From England, Dr. Hale travelled to Houston, Texas, to participate in a NASA panel reviewing experiments for a proposed mission to Halley's Comet, which is scheduled to return in 1986.

Ray T. Fortunato, assistant vice president for personnel administration, recently conducted a five-day course on personnel administration in higher education at the College Business Management Institute at the University of Kentucky. In June, he conducted a similar course at Carnegie-Mellon University for a college management institute sponsored jointly by Carnegie-Mellon and the National Center for Higher Education Management Systems.

Dr. Gordon F. De Jong, professor of sociology and associate director of the Population Issues Research Center, recently presented an invited briefing on "Pull-Factors and Motivations for Internal Migration in the United States" to the U.S. House of Representatives Subcommittee on Census and Population, Congressman Robert Garcia, chairman. Dr. De Jong's presentation, part of a series on the Implications of Internal Migration in the U.S., stems from his research on population redistribution in the U.S. and his new project on motives for Philippine immigration to this country.

Three members of the Cooperative Extension Service staff are among 110 agents in the United States who will receive Distinguished Service Awards Aug. 14 at the annual meeting of the National Association of County Agricultural Agents in Oklahoma City.

Those being honored are Duane C. Duncan, Cumberland County Extension director; Robert M. Hetrick, Blair County Extension director; and Robert O. Hobbes, Wyoming County Extension agent. They will be cited for "outstanding educational contributions to Pennsylvania's agriculture."

At the same meeting, David T. Rynd, associate Lawrence County Extension agent, will receive the 1980 State Achievement Award presented annually to a member of the Extension staff with less than 10 years of service who has demonstrated outstanding ability to conduct innovative educational programs.

Bookshelf

Patricia A. Ward, associate professor of French and comparative literature, is the author of a recent study, *Joseph Joubert and the Critical Tradition: Platonism and Romanticism*, published by Editions Droz of Geneva, Switzerland.

Joubert (1754-1824) is best known as a distinguished notebook writer and moralist. He was a literary figure in the circle surrounding the writer-statesman Chateaubriand. By examining Joubert's notebooks in the light of the Platonic tradition in the history of aesthetics and art criticism, Professor Ward shows that he is also an important theorist of the imagination as a creative power which invites ideas as forms. Joubert also contributed to the rise of modern language theory with his view of poetry as verbal structure. By using Joubert as a model, Professor Ward also shows the

contribution of Platonism to the rise of Romanticism in France, Germany and England.

Research for this book was sponsored by a Research Initiation Grant from the University and was undertaken in Paris and at Joubert's family home in Burgundy.

Dr. Harry H. West, associate professor of civil engineering, is the author of a book, *Analysis of Structure: An Integration of Classical and Modern Methods*.

Published by John Wiley & Sons of New York, the book presents classical methods of structural analysis in a format illustrating modern matrix techniques. This approach is designed to help professionals and students use both classical methods and modern computer structural analysis techniques to solve small problems, or to check isolated portions of computer results.

25-year chair



Edward Fleig, a 25-year veteran of the Altoona Campus' maintenance team, was honored recently for his long service to the Campus.

Arriving at Altoona in 1955 when it was fondly known as "Bathhouse U," Mr. Fleig has watched the institution grow to its present 13 building complex.

In presenting Mr. Fleig with a 25-year chair and a plaque commemorating his "many years of loyal and dedicated work," Campus Director Carson W. Veach said: "The Campus family owes a debt of gratitude to Ed and all those who carry the burden of the day to day work which is absolutely vital to our smooth operation."

Obituaries

Ossian R. MacKenzie, emeritus dean of the College of Business Administration, died July 25 after a canoeing accident. He was 72. A graduate of the University of Montana, with a J.D. degree from Fordham University Law School, he served as Penn State's first CBA dean from 1953 to 1973.

Dean MacKenzie was active in many professional organizations. He was international president of the American Assembly of Collegiate Schools of Business from 1964 to 1970 and was a consultant to various government agencies. The author of two books and numerous articles, he was awarded an honorary doctor of laws degree by Rider College. After retirement, Dean MacKenzie taught as a professor of management at Rutgers' Camden Campus.

Lillian M. Nighthart, assistant supervisor of Housing and Food Services from 1938 to 1959, died July 26. A native of Bellefonte, she was 83.

David L. Dreiblebis, a heating and ventilating mechanic at Capitol Campus, died July 23 at the age of 49. Mr. Dreiblebis had been employed at the University since 1963.

Martin M. Gliza, a Housing and Food Services residence hall worker, died July 22. The Morran, Pa., native was 67. He was employed at the University from 1961 to 1974.

Anna M. Pachipko, a counterperson in Housing and Food Services from 1957 to 1969, died July 19. She was 76.

Promotions

Staff Exempt

Kris K. Bradshaw to senior staff technologist at Hershey.
Suzanne Doucette to administrative aide in Student Affairs.

David T. Gingham to supervisor, Kern Cafeteria, in Housing and Food Services.
Robert M. Graver to senior research aide in Agriculture.

Robert A. Hogue to systems analyst in Management Services.

Joye D. Keenan to assistant director - operations in Student Administrative Services.

Barbara A. Noerr to neonatal staff development instructor at Hershey.
Susan H. Steinmeyer to assistant director of broadcasting for programming and distribution in Continuing Education.
Horst VonDorpski to assistant to the dean, undergraduate studies and Commonwealth Campuses in Education.
Brenda J. Wagner to administrative aide in Engineering.

Grace T. Younginger to administrative assistant in President's Office.

Staff Non-Exempt

Sharon L. Cramer to research technician at Hershey.

Elaine M. Oddis to research technician at Hershey.

Michael D. Yarnell to assignment office services assistant in Housing and Food Services.

Clerical

Bobbi B. Amacher to clerk, typist A in Agriculture.

Karen A. Bucari to clerk, accounting A at Delaware County.

Debbie J. Deao to secretary A in Engineering.

Denise Jenkins to secretary B in Student Administrative Services.

Virginia M. Jones to clerk, accounting in Science.

Glenda E. Kellogg to secretary C in Libraries.

Darlene D. Lansberry to clerk A in Graduate School.

Linda A. Lyle to research data processor in Engineering.

M. Elaine Martins to secretary C in Business Administration.

Joan L. Miller to secretary C in Business Administration.

Cathi J. Moyer to secretary B in Engineering.

Sharon Rakowski to secretary B in Continuing Education.

Pamela B. Reese to inpatient billing clerk at Hershey.

Tamula L. Settle to clerk, typist A in Engineering.

Linda D. Steyers to secretary B in Science.

Irene Toth to secretary C in Student Affairs.

Technical Service

Margaret M. Cichy to physical therapy aide at Hershey.

Glenn A. Clouser to toolroom attendant - equipment repair in Physical Plant.

Marion Dickson to laboratory attendant A, in Agriculture.

Steven F. Flick to maintenance worker, area landscape, in Physical Plant.

Donald R. Ishler to maintenance worker, area landscape, in Physical Plant.

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Calendar

August 7-21

Special Events

Thursday, August 7
Late drop deadline for 6 week Summer Term.
Festival Theatre, *Can't Help Lovin' dat Kern*, 8 p.m., The Playhouse.
Spectrum, *Red Waring Youth Workshop*
Chorus, 8 p.m., Schwab.

Friday, August 8
Commonplace Theatre, *The Magic Christian*, 7 and 9 p.m., Room 112 Kern.
Hong Kong Society film, *Alice's Restaurant*, 7:30 and 9:30 p.m., Room 102 Forum.
Festival Theatre, *Can't Help Lovin' dat Kern*, 8 p.m., The Playhouse.
Spectrum, *Red Waring Youth Workshop*
Chorus, 8 p.m., Schwab.
HUB Movies, *Deliriousness*, dusk, HUB Lawn (rain, HUB Ballroom).

Saturday, August 8
France-Cinema, *Bunuel, That Obscure Object of Desire*, 7 and 9 p.m., Room 112 Kern.
Hong Kong Society film, *Alice's Restaurant*, 7:30 and 9:30 p.m., Room 102 Forum.
Festival Theatre, *Can't Help Lovin' dat Kern*, 8 p.m., The Playhouse.
Explayzanza film, *Fillmore*, dusk, Fisher Plaza.
Sunday, August 10
Commonplace Theatre, *The Magic Christian*, 7 and 9 p.m., Room 112 Kern.
Festival Theatre, *Can't Help Lovin' dat Kern*, 7:30 p.m., The Playhouse.

Monday, August 11
France-Cinema, *That Obscure Object of Desire*, 7 and 9 p.m., Room 112 Kern.

Tuesday, August 12
Late drop deadline for 8 week Summer Term.
Fuel Science Seminar, 11 a.m., Room 301
Seattle, Maurice Mulcahy, CSIRO, Division of Process Technology, Australia, on "Flash Pyrolysis of Coal."
Explayzanza Concert, *The Dance Band*, 7:30 p.m., Fisher Plaza.

Wednesday, August 13
Commons Concert, *Rustical Quality Band*, noon, Kern Lobby.

Thursday, August 14
Phi Delta Kappa/College of Education Summer Lecture Series, 11:10 a.m., Room 112 Kern.
Richard Chait, assistant provost, on "Faculty Development in the 1980s."

Correspondence

(Continued from page 1)

Once an idea for a credit course has been developed, it is referred to an academic department in a College for a decision as to whether or not it is feasible. The respective departments, Dr. Mercer emphasizes, maintain complete control over course content. They designate the course's author, a faculty member, who then confers with one of the two full-time editors in the correspondence division. Donald Hild is the editor responsible for sciences, math and engineering courses; Judith Kelley, for the humanities, arts and social sciences.

The editors provide practical advice on how to develop a correspondence course study guide, since teaching at a distance poses special problems. Correspondence students, for example, may not have access to a library, so all references must be incorporated in the study guide and permission obtained to reprint them. Authors are encouraged to draw on their classroom experiences to anticipate questions which may arise as students progress through a course and to deal with them in their guides.

After the editorial conference, which can last from one hour to one day, the author prepares a course outline and a sample lesson to make certain he or she is on the right track. Five part-time editors are available to assist Ms. Kelly and Mr. Hild in editing completed course materials. "Most of our courses are written around commercially available textbooks," Dr. Mercer points out. "The object is not to rewrite the entire text but to adjust it so that whether our students are in

Friday, August 15
Commonplace Theatre, *Louis Malle, The Thief of Paris*, 7 and 9 p.m., Room 112 Kern.
Hong Kong Society film, *Harold and Maude*, 7:30 and 9:30 p.m., Room 102 Forum.
HUB Movies, *The Graduate*, dusk, HUB Lawn (rain, HUB Ballroom).

Saturday, August 16
Shaver's Creek Nature Center, children's program, 9:30-11:30 a.m., Stone Valley. 865-1851 for further information.
France-Cinema, *Wertmuller, Love and Anarchy*, 7 and 9 p.m., Room 112 Kern.
Hong Kong Society film, *Harold and Maude*, 7:30 p.m., Room 102 Forum.
Explayzanza film, *Animal Farm*, dusk, Fisher Plaza.

Sunday, August 17
Commonplace Theatre, *The Thief of Paris*, 7 and 9 p.m., Room 112 Kern.
Hong Kong Society film, *Harold and Maude*, 7:30 and 9:30 p.m., Room 102 Forum.

Monday, August 18
France-Cinema, *Love and Anarchy*, 7 and 9 p.m., Room 112 Kern.
Color Slide Club meeting, 7:30 p.m., Room 189 MRL.

Tuesday, August 19
Ag Progress Days, through August 21, 9 a.m.-5 p.m., Rock Springs Agricultural Research Center.
Fuel Science Seminar, 4 p.m., Room 244 Deike. V.H.J. de Beer, Eindhoven Univ., on "Carbon Supported Solid Catalysts."
Explayzanza Concert, *Duet*, 7:30 p.m., Fisher Plaza.



Fred Waring's Young Pennsylvanians have been part of Summer workshop program culminating in this week's concerts.

Bellefonte or in a nuclear submarine under the ocean, they can study in a logical, orderly fashion and receive help and encouragement as they proceed."

Study guides are designed to break down a course into a series of lessons and to give students the opportunity to prepare materials for regular evaluation by an instructor.

"Out of every 10 authors, I'd say that eight choose to be the instructor for the course they've prepared," Dr. Mercer reports. "Our office does not handle instruction. A department may choose to have its course rewritten, revised or even withdrawn. None of our courses goes more than five years without revision; usually, it's done sooner."

Record keeping is a mammoth job in the ISC office. Last year the staff processed 116,000 lessons—twice—as they were sent in and again when they were returned. About 18,000 current student records are kept up-to-date.

"During any given fiscal year, our editorial staff will work with between 100 to 140 courses," Dr. Mercer says. "We put out about 20 new courses a year and revise an equal number."

This fall, students will pay \$41 per credit for correspondence study as compared to \$69 for resident students at University Park. Non-credit correspondence study costs run somewhat less, the charges varying according to what it has to cost to develop and run a course.

"Our average college credit student is in the mid-20s, married, and working; slightly more than half are male," Dr. Mercer notes. "Non-credit students are more likely to be female and somewhat older. We also offer more than 30 high

Wednesday, August 20
Last day to sign Summer Term Emergency Loans, Room 108 Shields.
Early registration for Fall Term 1980, 8:30 a.m.-4:30 p.m., Shields Lobby. Also August 21 and 22.
Summer Term classes end, 9:55 p.m.
Thursday, August 21
Final examinations.

Exhibits

Chambers Gallery: Randy Cleaver and Kelly O'Connor, BF-A exhibit of sculptures and paintings, through August 20.

Kern Gallery: Zelia Couto, paintings, through August 15; Diane Bosnik, oil paintings, and Jeff Dennis, ceramics, both through August 20.

Museum of Art, CPFA: juried crafts, through August 22; highlights from the permanent collection; Sidney Goodman: paintings, drawings and graphics, 1959-1979.

Pattee Library: Patricia Quill and Andres Pleak, ceramics, through August 15, Main Lobby; Chandra Swami, recent laser photography, East Corridor Gallery; Richard Russell, still life paintings, through August 15, Lending Services Lobby; Grimm's Fairy Tales in English, from the Allison-Shelley Collection, Rare Books Room.

Visual Arts Zoller Gallery: Von Minor and Joe Sweeney, MFA exhibit, mixed media, through August 20.

Funding Sources

For further information, call 865-1372

(340-1) The National Endowment for the Humanities has two Youth Programs: Youthgrants in the Humanities support humanities projects developed and conducted by young people—educational projects, humanistic research, media presentations, and community programs. Awards range from \$500 to \$10,000 and about 100 projects will be funded. A preliminary narrative is due by Oct. 15 and formal applications by Nov. 15. Youth Projects support experimental out-of-school humanities projects for large groups of young people under the direction of experienced professionals in the humanities and in youth work. Awards range from \$1,000 to \$200,000, and about 100 to 150 projects will be funded. Preliminary proposals are due by Dec. 1 and formal applications by Jan. 15, 1981 (Ref: NEH Program Announcement).

(341-1) An Experimental Research Program on Appropriate Technology is supported by the National Science Foundation. Appropriate technologies are those which are decentralized, require low capital investment, are amenable to management by users, conserve natural resources, are in harmony with the environment, small or intermediate in scale, relate to site-available resources and are more labor than capital-intensive. The following topics have current interest: Urban innovation, small-scale industrial technology, recycling, rural revitalization and the small farm, food and nutrition, and appropriate technology—its roles and impacts on society, the economy and technological development. Proposals may be submitted at any time. The agency contact is 202-357-7491. Ref: NSF program announcement.

(343-1) The National Science Foundation Undergraduate Research Participation (URP) Program now includes the Student Originated Studies (SOS) program. Ten- to 12-week summer projects are supported for small groups of students in collaboration with a senior research scientist. Projects are for the scientific (includes social sciences) and engineering disciplines and may be interdisciplinary. The student stipend is \$1200 for 10 weeks full time. Collaborative industrial URP projects are also supported. Guidelines are available. The agency contact is 202-282-7150. (Ref: SE81-21).

From the Press

The Robert Frost Handbook. By James L. Potter. 205 pages. \$14.95.

Dr. Potter, who teaches at Trinity College, has divided this book into four sections to provide a basis for a sound general comprehension of the poet and his work.

Part I contains biographical materials, including analyses of the character and structure of the principal works. An overview of the poems, with references to leading scholarly findings, comprises Part II. In Part III, Dr. Potter shows Frost's relationship to Wordsworth, Emerson and Thoreau and illuminates Frost's critical and creative concern with form, voice and metaphor. The final section offers an annotated list of works by and about Frost.

"And we never have to worry about overenrollment in correspondence study."

Another unusual program offered through ISC is training for apprentices in the automatic sprinkler pipe fitter trade. Under the supervision of Earl Mann, coordinator of special programs for ISC, about 1,000 apprentices of Local 669 study math, technical English, economics, safety, drafting, blueprint reading and sprinkler systems.

"The program is supervised jointly by the union and management, and it is constantly updated," Dr. Mercer says. "Because of the nature of their work, members of this union are always on the move, so this is the only feasible way to get study materials into the hands of apprentices."

Dr. Mercer and his staff would still like to come up with a way to teach Speech 200.

"The Speech Department ruled out audio tapes," he says, "because it's so important to see the student's face and gestures, but who knows? Maybe some day we'll be using video discs."

Or as Mr. Froke observes: "Media still not invented will play their role in the decades ahead."



ARL pianist combines interests in science and art

Life for Dr. Harold Frost is irrevocably enveloped by sound — in one form or another.

A project scientist for nondestructive testing at the Applied Research Laboratory, he works on the development and use of electromagnetic-ultrasound transducers — an area in which he holds two patents, with a third pending. He also collaborates with colleagues in the Department of Physics on research involving liquid helium acoustics.

Away from work, the 38-year-old physicist continues his love affair with sound, albeit in a region more attuned to human ears — music.

Dr. Frost is a pianist of classical orientation who, in fact, gave his first public concert during July's Central Pennsylvania Festival of the Arts. Though he's been steeped in the works of Beethoven, Chopin, Debussy, Ravel, Stravinsky, Gershwin and Ives, his debut in Schwab Auditorium was devoted solely to the music of a contemporary composer — himself.

His works, however, are performed in a manner uncommon to most modern classical pianists. The themes and transitions between sections, for example, are often composed in the traditional sense and committed to manuscript; yet to a large extent the pieces are improvisations, spontaneous compositions.

"Some musicians like to sit down and simply play off the top of their heads, while others play from someone else's scores," Dr. Frost notes. "I'm somewhere in between."

"Improvisation, of course, is very common to jazz today, but improvisation in classical music is not — although the latter used to be an important part of a musician's formal training," he explains. "Improvisation is actually the process of composing 'as you go along,' in a free-flowing and often heart-felt manner. The trick is to make the result something of interest in terms of musical content and keyboard technique."

Dr. Frost's preoccupation with composing and improvising is relatively new. Although he had formal piano training during high school and as a physics major at the University of Vermont (where he also earned his Ph.D.), not until November 1977 did he buy a piano for his home in State College.

Since then, several works have resulted: *Fantasia in A Major*, op. 1, no. 2; *Sonata in A Minor*, op. 2; *Romance in D# Minor*, op. 4; *Rondo in A Minor*, op. 5; and *Sonata in B Major*, op. 6, among others.

"It's the start of a personal journey," he says. "I don't know where it will take me, but it is opening up new possibilities in my own life in terms of scoring films, setting music to poetry, and so forth. I'm exploring some of those projects now."

"I'm not a professional musician, but

my goal is to develop and play as well as I can," he adds.

Because of his relatively late start as a pianist — in high school rather than elementary school — he says that he may never be able to play up to professional concert standards.

"For example, sometimes my fingers simply cannot keep up with the rate of sounds in my mind. Early, concerted use of the hands on the keyboard may be as indispensable to the concert pianist as raw talent; in any event, I can become frustrated in my playing."

He also says his musical ear does not permit him to take a work from a record tape and replay it note for note on an instrument. "It would be a nice gift to have," he muses, "but my lacking it may make it easier for me to transfer ideas and feelings and integrate them into works of my own stamp."

"My own creative process seems to be a mixture of conception and perception. Often what I play is spontaneous and emotive, stimulated only by what I feel and hear 'happening' at the keyboard. But in writing down some of my themes and melodies, for instance, conception comes more into play; then thoughts may dominate the emotions, imposing form and other constraints on the impulse to be totally free. But the tension between these elements is needed, you might say, for the music to appeal to both heart and mind."

Improvisation, he adds, while ostensibly unconfined, is nonetheless heavily influenced by harmonic rules and tradition, by the form of the work, by the ideas the musician has absorbed in listening to others and by the technical level the player has attained.

"Most classical musicians today have a very high level of training in their art — on the average perhaps more than their predecessors in centuries past," Dr. Frost says. "But I sometimes wonder if the emphasis on technique and 'correct' interpretation of someone else's music somehow deprives music of much of its force and power. To me, music needs emotion. If music is flawlessly executed but devoid of emotion, it doesn't work."

Still, he strives for improved technique to carry out his ideas more readily. He recently took private lessons in music theory from Barbara Reeves at the State College Music Academy and currently studies piano with Jeannine Hanson of State College.

And while he can find the expressiveness of music especially captivating, he retains his fondness for the world of science.

"There's more art in music than in science, but there is art in science," the research associate maintains. "What I like about science, for instance, is the opportunity for innovation through rational processes, taking difficult

problems and solving them. I also find it pleasurable to see, through study, the vistas and connections attendant to physics."

"Science and art may seem like totally dichotomous processes, but that's not necessarily true," Dr. Frost concludes. "There's room, and sometimes the need, for impulse and intuition in science. And the traits often attributed to scientists — rationality, discipline, the eagerness to search for answers and to test them — are not uncommon to artists."

By Roger Williams

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 478-1387). Applications for these staff vacancies will be accepted until 5 p.m., Aug. 14, 1980. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

PRODUCTION ASSISTANT/DESIGN — UNIVERSITY PRESS, University Park Responsible for the design of a variety of University Press publications, including books, book jackets, journals, advertisements, mailers and catalogs. Specify type, prepare art work, crop and scale photographs and prepare camera-ready mechanicals. Bachelor's degree in art or related field and at least two years of effective experience. Knowledge of typographic and printing processes required.

PRODUCTION ASSISTANT — DEPARTMENT OF PUBLICATIONS, University Park Responsible for coordinating all production details for getting material from manuscripts into printed publication. Activities include: writing print specifications; preparing and adhering to production schedules; all communication, including correspondence among internal editorial and design staff, the client, and the printer. Knowledge of printing processes and ability to do camera-ready preparation are required. Bachelor's degree with emphasis in fine arts, graphic design, language arts or related field and minimum of two years of related experience.

MANAGEMENT SYSTEMS ANALYST — MANAGEMENT SYSTEMS, Hershey Responsible to the Manager, Management Systems for systems coordination, planning and implementation of new and/or revised systems and procedures. Bachelor's degree in computer science, business administration or industrial engineering or equivalency, plus two to three years of effective experience.

PROGRAMMER — MEDICAL COMPUTER CENTER, Hershey Responsible to the Manager of Programming for analyzing the requirements of various systems and for the development of computer programs to fulfill these requirements. Bachelor's degree with knowledge of third generation computers and programming, plus one to two years of effective experience, or an associate degree in data processing, plus two to four years of effective experience.

APPLICATIONS PROGRAMMER/ANALYST — MANAGEMENT SERVICES, University Park Responsible to designated project leader for

News in Brief

Travel regulations in effect for People's Republic citizens

University faculty members hosting citizens of the People's Republic of China should be aware of certain travel regulations required by the U.S. Department of State if these scholars or students travel away from Penn State. Chinese from the People's Republic must notify the Department of State one week prior to any proposed trip off campus, or, in an emergency, phone the Department's Exchange Office at 202-632-1322.

Notification forms are available from the Office of Personnel Procedures in Room 118 Willard Building, according to manager Robert W. Dombrowsky.

Aliens travelling on F-1 and J-1 visas and University personnel representatives have been informed of their travel responsibilities.

Fall Calendar material due

The deadline for submission of information for the Fall Term Calendar is Friday, Aug. 15. Please send material to Lee Morrill, Room 312 Old Main, 865-2501. The Calendar will appear in the Sept. 4 issue of INTERCOM.

Network number change

The Network telephone numbers for the Delaware County Campus have been changed. The new number for the main answering station is 361-2011. Individual phones may be reached at 361-2, using the 3-digit extension number after number 2.

conducting analyses of data processing operations, determining requirements for upgrading operational systems and preparing computer programs to satisfy the end result. Make presentations and submit written reports. Assist in providing direction and control within the specifications of project schedules.

SUPERVISOR, MINERAL PROCESSING LABORATORY — COLLEGE OF EARTH AND MINERAL SCIENCES, University Park Supervise the operation of laboratory — develop testing procedures — analyze results of tests, set up instructional demonstrations, train graduate students, schedule use of facilities. Associate degree in engineering or technical field, plus two to three years of effective experience.

SENIOR INSTRUCTIONAL SERVICES SPECIALIST I, Delaware County Campus Responsible to the Associate Director for Academic Affairs to provide and encourage use of a wide variety of instructional resources by faculty, staff and students; to investigate, evaluate and implement innovations in instructional media and long-range development planning. Bachelor's degree in education, instructional media, etc., and work progressing toward a master's degree or equivalent organized study or training, plus one year and up to and including two years of effective experience in audio-visual or multi-media work.

Applications requested for PEAP directorship

Nominations and applications are invited for the position of director of the Pennsylvania Economic Analysis Program (PEAP). PEAP is a well established program — initiated 40 years ago — to conduct an ongoing analysis of the Pennsylvania economy.

Applicants must have a doctorate in a field appropriate to the program. Related experience is highly desirable. The successful applicant would be expected to affiliate with an academic department and to carry a teaching load of about one-third or less of the normal teaching responsibility. Salary will be based on qualifications. Submit resume to Paul H. Rigby, director, Center for Research, College of Business Administration, Room 801 Business Administration Building, The Pennsylvania State University, University Park, Pa. 16802.

Applications will be accepted until Dec. 1, or until the position has been filled.

Penn State Intercom

News in Brief

Heavy traffic flow predicted for Sept. 2 New Students Day

University Park faculty and staff members are reminded that the general traffic calm which has prevailed on campus during the summer months will come to an abrupt end on Tuesday, Sept. 2, which is New Students Day.

To help keep traffic moving, the Department of University Safety urges employees to plan to:

- 1) Walk to work if possible, or
- 2) Carpool or use public transportation, and
- 3) Not use their cars for trips on campus throughout the day.

One-way traffic will be in effect for the following streets on Sept. 2: Garner-Shortlidge north from Beaver to Pollock; Pollock between Shortlidge and Bigler, eastbound; Mifflin between McKean and Pollock, northbound; Curtin between Allen and Recreation Building, eastbound; and Burrows between Pollock and Curtin, northbound.

The following parking changes have been announced by University Safety for Sept. 2: Persons assigned to Blue G and F lots are asked to park in Orange F and Blue D, those in Orange B should go to Orange L, those in Green D and G to Blue A; and those in Green E and C and Red E and F to Conference Lot (Green K) or Red A. Employees should return to their regularly assigned lots on Sept. 3.

More than 1700 to graduate at Summer Term Commencement

More than 1,700 graduates are scheduled to receive degrees at Summer Term Commencement exercises at University Park Saturday, Aug. 30, at 10:30 a.m. in Recreation Building.

President Oswald will award degrees, assisted by Quentin E. Wood, president of the Board of Trustees.

Provost Eddy will preside at the exercises, at which Nunzio J. Palladino, dean of the College of Engineering will speak.

Commencement exercises at Behrend College and Capitol Campus will bring the University-wide total of graduates to more than 1,800.

Music School elected NASM associate member

The University's School of Music has been elected to associate membership in the National Association of Schools of Music (NASM).

More than 500 universities, colleges and conservatories are members of the Association, which determines accreditation for all music degree curricula in applied music, music theory, composition, music therapy, musicology, and for music as a major in liberal arts programs.

Hertz and Avis offer discount program

As a service of the Educational & Institutional Cooperative Service, Inc. (E&I), Penn State now receives a 30 percent discount from Hertz and Avis Rent-A-Car agencies at most domestic locations, according to W.E. Burget, director of purchasing services.

New parking stickers available

New parking bumper stickers, sporting R.M. Pozniak's copyrighted drawing of the Nittany Lion, are now available from departmental parking representatives. Current stickers expire Sept. 30 and their replacements — valid for two years — must be displayed no later than Oct. 1.

According to University parking coordinator Allan A. Derzak, faculty and staff members who want to register a second vehicle for parking privileges may do so by paying a \$10 second vehicle registration fee (\$2.50 for motorcycles). The fee will be accepted either by departmental financial officers or by the Bursar's Office, who will issue receipts to be presented to departmental parking representatives.

"We anticipate that approximately 1,500 faculty and staff members will pay the \$10 fee to register second vehicles this year, an increase of about 200 from 1978 when stickers were last issued," Mr. Derzak said.

Old bumper stickers need not be turned in to receive new ones, but anyone who

damages a new sticker in the process of affixing it will have to present the remains to get a free replacement.

Dr. Derzak said that the new stickers are to be displayed in the center of the vehicle's front and back bumpers so that they are clearly visible. The bumper must be clean and dry for the stickers to adhere.

"Only the new stickers should be visible," he emphasizes. "Old stickers should be removed or covered by the new stickers. If the old stickers are cracked or peeling, however, the new stickers will not adhere to them."

If the vehicle has rubber or painted bumpers which make removal difficult, or if bumper stickers would deface a bumper, University parking representatives may be able to suggest other form of parking identification.

Mr. Derzak reminds faculty and staff members that when a vehicle is sold, changed or traded in, complete remnants of each of the new serialized stickers must be turned in before free replacement stickers can be issued.

President to talk at U.P. United Way Kickoff

President Oswald, who has been active in United Way activities at the national level for many years, will be the featured speaker at the 1980 United Way Kickoff for University Park Campus on Tuesday, Sept. 9.

The event, the first of its kind to be held at University Park, will begin with coffee and donuts (Dutch treat) at 9:30 a.m. outside Kern Building Auditorium. The hour-long program will start at 10 a.m. and include an advance gifts campaign report, campaign dates, and information helpful to volunteers actually contacting their co-workers on the University Park Campus.

Dr. Richard E. Grubb, senior vice president for administration and chairperson for the University Park Campus United Way effort in 1980, will chair the meeting.

All University Park Campus United Way volunteers will receive personal notification of the kickoff event. Other interested persons are encouraged to attend.

The kickoff is just one aspect of the new directions the United Way program is taking at University Park, according to Dr. Grubb. The program centers on a stronger and more structured internal organization. Emphasis will be on a personal, one-to-one solicitation to inform employees about United Way.

Actual solicitation will be held Sept. 29 through Oct. 10.

The goal for the University Park Campus is to double the number of contributors. In 1979, only 15.9 percent of the nearly 8,000 employees at University Park participated in the drive.

Former Peace Corps workers will share skills

Returned Peace Corps volunteers (RPCV) are available to discuss their hard-won expertise — in subjects ranging from starting a well-baby clinic to stopping soil erosion — as guest speakers in University classrooms.

At least eight RPCVs are enrolled at University Park, according to one of their number, V. Star Campbell, who served in Senegal. "We can provide a 'grass roots' perspective on what is happening in developing countries," she says, "and, more importantly, teach students how theory is applied."

"Students usually don't get a chance to hear about the applied aspects of development," Ms. Campbell continues. "They don't realize that digging a 65 meter well can take almost two years because of lack of infrastructure and equipment, not to mention the corrupt government officials wanting a payoff."

"Digging a well, starting a women's cooperative, or putting in an irrigation system often is not accomplished until the last few months of the volunteers' service."

Before Peace Corps volunteers can attempt to apply their knowledge, they first have to learn one or more languages (usually by living in villages), adapt to a new culture, and maintain — and often lose — their health. This adaptation period of 6 to

12 months is crucial, Ms. Campbell points out, and knowledge about it is important to share with students.

"Digging a latrine is simple. Hundreds of manuals are available to show how it's done," Ms. Campbell says. "But being sensitized to the villagers' needs, determining what is the 'priority' project, and learning to communicate is the 'applied' part. I've found that when I talk to students about these experiences, it stimulates discussion on deeper moral and social questions."

Faculty members interested in contacting RPCVs for classroom presentations should call the campus Peace Corps representative, Mary Keith, at 863-0249, Monday, Tuesday or Friday from 2 to 5 p.m., or write her, care of Room 239 Agricultural Administration Building.

Topics and countries on which RPCVs can currently report include: Ghana — math; Senegal — nutrition and health; Nepal — irrigation and water supply; nutrition, health education; Thailand — journalism; Philippines — nutrition education; El Salvador — soil conservation; Guatemala and Ecuador — public health; Paraguay — home economics, forestry, agriculture; and India — nutrition and health.

Eleven to serve on promotion and tenure review committee

The names of the members who will serve on the University Review Committee on Promotion and Tenure for 1980-81 have been announced by President Oswald. They are:

Senior Administrative Officers — Dr. R.G. Cunningham, vice president for research and graduate studies, chairman; Dr. James B. Bartoo, dean of the Graduate School; Dr. Robert E. Dunham, vice president for undergraduate studies;

Elected by the University Faculty Senate — Dr. Ernest L. Bergman, professor of plant nutrition; Dr. Thomas E. Daubert, professor of chemical engineering; Patricia M. Overdeer, professor of mathematics, Ogontz; Dr. Ronald L. Filippelli, librarian and associate professor of labor studies; John Kolesar, professor of engineering, Wilkes-Barre; Dr. Robert F. Schmalz, professor of geology;

Lindback Awarded Appointee — Dr. J. William Holl, professor of aerospace engineering; and

Evan Pugh Professor Appointee — Dr. Herschel W. Leibowitz, psychology.

Turn-off times given for air conditioning

Air conditioning will be turned off in academic and administrative buildings at University Park starting Monday, Sept. 15, and in research laboratories starting Monday, Sept. 22.

Heat will be turned on in residence halls starting Monday, Sept. 15, and in academic and administrative buildings starting Monday, Oct. 16. In Ritenour Health Center, however, heating will be resumed on Monday, Sept. 1.

The schedule was announced by the University's Executive Energy Conservation Committee.

"Although the dates for cessation of air conditioning are firm, the dates for the resumption of heating are approximate, subject to several days' fluctuation either way as weather dictates," Ralph E. Zilly, EECF chairman said.

The dates for the transition from cooling to heating are based on statistical correlations to 30-year hourly temperature data supplied by University meteorologists.

In other action, the EECF learned from J. Carroll Dean, manager of University energy conservation programs, that installation of computer-controlled light switches in second floor classrooms of Willard Building has been completed and equipment is being tested.

"The system is designed to turn off lights at appropriate intervals to conserve energy," Mr. Dean said, "but it allows manual off-on control from the classrooms."

The EECF was informed that the University is evaluating a battery-powered van made by Taylor-Dunn of Anaheim, Calif., as a possible addition to the Maintenance and Operations fleet.

The potential benefits of the vehicles, Mr. Dean said, are quietness, reduced maintenance requirements, independence from petroleum, and purchase price — several hundred dollars cheaper than internal combustion vans. They also are pollution-free.

Penn Staters

Dr. Parris H. Chang, professor of political science, was asked by Republican Vice Presidential candidate George Bush to prepare a briefing paper for him to study prior to a trip to the People's Republic. Dr. Chang's paper focuses on "Issues and Groups in the Chinese Leadership."

Two faculty members have been named as Fellows of the Institute for the Arts and Humanistic Studies, effective Sept. 1. They are Kenneth R. Beittel, professor of art education, and Charles W. Mann, professor of English, Librarian, and chief of special collections. In announcing the appointments, Institute Director Stanley Weintraub noted that Dr. Beittel "is an unusual blend of scholar, art theoretician and artist. His research in phenomenology and aesthetics, his research into the nature of creativity, and his artistic achievement as a potter have won him several distinguished reputations. Next year he will exhibit at the newly completed Saga Museum of Porcelain and Ceramic Arts in Arita, Japan, evidence of his truly international visibility."

Commenting on Professor Mann, Dr. Weintraub noted that his "encyclopedic knowledge of books and bibliography has long made him one of the University's major human resources. His published contributions to bibliography and to the rare books and manuscripts side of librarianship have given him a national reputation... his *Hemingway Manuscripts* (written jointly with Institute Fellow Philip Young) is a major contribution to scholarship."

Dr. J.D. Hammond, professor of insurance and William Elliott Faculty Fellow, has been appointed by Governor Thornburgh as a member of the Committee for Comprehensive Review of State Workmen's Insurance Fund (SWIF). In addition, Dr. Hammond was elected recently to the 1980 Board of Directors of International Insurance Seminars.

An exhibition of works by Diane Pepe, assistant professor of art, was on display at the Brindl Gallery in Camden, Me., from July 1-26.

Dr. Susan M. Bennett, assistant professor of psychology at the Beaver Campus, was granted a fellowship by the National Endowment for the Humanities to participate in the 1980 NEH Summer Seminars for College Teachers at the CUNY Graduate Center, New York City. The seminar was entitled "Themes in Cross-Cultural Analysis of Women and Society."

Dr. Robert Lima, professor of Spanish and comparative literature, presented an invited lecture at the University of Salamanca. His topic was "Ramon del Valle-Inclan: Un ser complejo en tres dimensiones." Dr. Lima was in Spain doing research for a biography of Valle-Inclan, a noted dramatist, poet and novelist. The University of Salamanca Press will publish Dr. Lima's critical study, *Valle-Inclan: Dimensiones de su vida y obra*, this Winter.

Dr. Daniel B. Litvin, assistant professor of physics at the Berks Campus, served as a research consultant last month for the City College of New York Department of Physics and participated in a seminar there on "Color Groups and Phase Transitions." He also chaired a session and presented a paper on his work at the Ninth International Colloquium on Group Theoretical Methods in Physics in Cocoyoc, Mexico.

Five University faculty members presented a program at the first Global Conference on the Future in Toronto recently. Gerald M. Phillips, professor of speech communication, organized the program, which included papers on topics related to communications by Dr. Phillips, Herman Cohen, professor, Gerald A. Hauser, associate professor, and Douglas J. Pedersen, associate professor, all of the

Department of Speech Communication; and David A. Stern, assistant professor of theatre arts.

Dr. Roger Pennock Jr., associate professor of soils, has received the teaching award of the Northeastern Branch of the American Society of Agronomy. A faculty member since 1964, Dr. Pennock has developed an audiovisual review method to assist students in attaining a firm understanding of course materials, as well as an improved laboratory manual for a course on soil resources and land use.

Dr. Edward J. Massaro, director of the Center for Air Environment Studies and professor of veterinary science, has been appointed to the editorial board of the *Journal of Environmental Health Sciences* Section of the *Journal of Environmental Health and Health*.

Sigmund S. Birkenmayer, professor of Slavic languages, was one of 250 ethnic organization leaders invited to Washington, D.C., for the recent commemoration of the fifth anniversary of the signing of the Helsinki Accords. The program included briefings by President Carter, Secretary of State Edmund Muskie and National Security Adviser Zbigniew Brzezinski dealing with U.S. preparations for the November meeting in Madrid of the Conference on Security and Cooperation in Europe. Dr. Birkenmayer is president of the Association for the Advancement of Polish Studies.

Dr. Joan S. Thomson, assistant for cooperative relations for the Extension Service, has been named Extension coordinator of staff development and training, effective Sept. 1. A member of the College of Agriculture faculty since 1972, she received a Provost's Fellowship last year to participate in the Summer Institute for Women in Higher Education Administration at Bryn Mawr College. She holds three degrees from the University of Wisconsin-Madison—a B.S. in home economics journalism, M.S. in agricultural journalism, and Ph.D. in mass communications.

Two new deans for Student Affairs have been appointed at the Campuses. Louis M. Barsi will fill this post at DuBois and Everett F. Binns at Schuylkill. Since 1977, Dean Barsi has been coordinator of financial aid/testing at the University of Wisconsin at Wausau. He holds a B.A. from the University of Oklahoma, an M.A. from Central Michigan University, and an M.A. Ed. from the University of Northern Iowa. From 1969 to 1976, he was dean of students at Mount St. Clare College.

Dean Binns earned his B.A. (history, 1972) and M.Ed. (counselor education, 1973) from Penn State. He has been serving as assistant dean of student affairs at the Hazleton Campus.

Two appointments have been announced by the Institute for Research on Land and Water Resources. Donald J. Epp, associate professor of agricultural economics, has been named assistant director in charge of the Regional Resources Center. Brian J. Turner, associate professor of forest management, will serve as co-director of the Office for Remote Sensing of Earth Resources (ORSER), with Gary W. Peterson.

Dr. Epp holds a doctorate in agricultural economics, granted by Michigan State in 1967, the year in which he joined Penn State's faculty. His research and teaching have focused on natural resource economic issues. A faculty member since 1969, Dr. Turner has a doctorate in forestry from Yale. He is chairman of the University's Forest Science Program.

Bookshelf

James R. Keiser, associate professor of hotel and institution administration in the College of Human Development, is the author of a new textbook, *Principles and Practice of Management in the Hospitality Industry*, issued by CBI Publishing Co., Inc., of Boston.



Mr. Rothrock

Mr. Haldeman

Mr. Settemyer

The theme of the 430-page book, the conceptual and the practical in hospitality management, reflects the industry's growing importance and increasing challenges. Professor Keiser addresses such contemporary managerial concerns as energy conservation, travel expense, labor relations, guest and employee safety, and productivity.

Economically, the industry Professor Keiser analyzes is already very large. In 1979, for instance, the food service industry enjoyed \$110 billion in business and employed six million people. And by 1987, he predicts, the food service industry will employ more people and earn more money than any other sector of the U.S. economy.

A prime factor in the industry's growth is the increasing American predilection for eating out. By the mid-'80s, he says, Americans will be consuming more food away from their homes than in them.

Retirements



Dr. Wilber W. Ward, former director of the School of Forest Resources, will retire Sept. 1 as professor emeritus of silviculture.

Dr. Ward's association with Penn State began as an undergraduate—he received his B.S. in forestry in 1940. His M.F. was also granted by the University, and he holds a D.F. degree from Yale University.

After experience in industry, he joined the staff of the Mont Alto Campus in 1948 as an instructor, later serving as resident director of the Forestry School's Mont Alto Branch. He transferred to University Park in 1962 and served as director of the School of Forest Resources from 1966 to 1977, when he returned to full-time teaching and research.

His contributions to the profession were recognized in 1979 when he received the Outstanding Service to Forestry award of the Allegheny Section of the Society of American Foresters. He was a director of the Pennsylvania Forestry Association from 1967 to 1976.

From 1966-70, Dr. Ward was a member of the Governor's Council on Natural Resources. He was also member and chairman (1970-71) of the Northeast Forest Research Advisory Council.

August 31 marks the retirement date for three county Extension directors—George L. Settemyer, Juniata; James F. Haldeman, Berks; and Paul T. Rothrock, Lycoming.

Mr. Settemyer, who earned a B.S. from the University in agronomy in 1938, was appointed to the Extension staff in 1947. He holds an M.S. in Extension education from the University of Wisconsin. Mr. Haldeman earned his B.S. in agronomy from the University in 1950, the same year he was appointed to the staff. Mr. Rothrock, also a Penn State alumnus (agronomy '47) has 33 years of service with Extension.

During his 16 years with Penn State, Clyde H. Williams helped to keep the University running through an assortment of jobs.

Mr. Williams, a heating and ventilating technician in Physical Plant, retired Aug. 2. He began his service as a janitorial worker in 1964 and was promoted to maintenance mechanic later that same year. He assumed his position in Physical Plant in 1968.

Mr. Williams and his wife, Verna, presently reside in Warriors Mark. They have two sons; the eldest, James, is employed at the University on the daytime janitorial crew.

Leonard Resides, a vending machine mechanic in Housing and Food Services will retire Sept. 10 after an association with the University which began Sept. 1, 1952.

"Variety's the very spice of life..." is an adage that might well apply in describing Franklin T. Brown's career at Penn State. Mr. Brown will retire Sept. 1 from his position as building services attendant in Continuing Education. During the course of his 16 years with Penn State, he has contributed to the upkeep and maintenance of the University through a number of jobs.

"Keller Building was my favorite," he recalls. "Because of the people I associated and worked with. I enjoyed it very much."

Before coming to Penn State, Mr. Brown was employed in maintenance at the James H. Matthews Company in Pittsburgh. He joined the Penn State staff in 1964 as a landscaper working on shrub maintenance in East Campus. Through the years, his other positions have included being employed as a baker's helper in the Baker's maintenance worker assisting in the preparation of East Halls, custodial work in North Halls, and houseparent in McElwain and Waring Halls.

Mr. Brown, a widower, has a son and a daughter and seven grandchildren. He is currently keeping busy with a move to McElwain Residences in State College.



Ms. Meyer

Ms. Conley

Mr. Williams

(Continued from page 2)

25-year chairs

Patricia A. Meyer received her Penn State 25-year chair this month — four years late. "I guess," she says smiling, "I never caused enough of a disturbance so people knew I was here."

The error actually resulted because of the break in her service. She started at Penn State in October 1950 as a secretary in the Psychology Department and then worked as a clerk-typist in the drafting room at Olin from 1952 to 1956. At that time, she moved to Virginia for a year, returning in February '57 as a key punch operator with Management Services. She is currently an assistant supervisor in the key punch area.

Grace Conley may not be able to account for the quick passing of her 25 years with Penn State, but Housing and Food Services has counted on her natural mathematical and organizational abilities to keep track of things other than days.

She joined the Penn State staff in 1955 as an inventory clerk, maintaining the inventory of dining hall food. She was promoted to bookkeeping machine operator A in 1971 and to data processing clerk in 1976, with added responsibility for not only food inventory but also for budgets.

Ms. Conley started her present position as an accounting clerk with Housing and Food Services in 1978. In a job that she finds to be "fun and interesting," her days are actively filled with duties such as doing billings for the department and posting ledgers for the HUB and Housing and Food Services.

Promotions

Staff Exempt

Annie L. Burney to assistant extension agent in Agriculture.

John B. Burton to assistant extension agent in Agriculture.

James F. Campbell to assistant director for Continuing Education at Wilkes-Barre. Jan Marie Escott to assistant extension agent in Agriculture.

Lewis H. Fisher to maintenance foreman at Delaware County.

Diane M. Henry to assistant extension agent in Agriculture.

Ruth E. Hollender to sensory laboratory coordinator in Agriculture.

Mary T. Kiernan to assistant dean of student affairs at Behrend College.

Nellie L. Kirker to assistant extension agent in Agriculture.

Jan M. Knorr to assistant extension agent in Agriculture.

Joanne M. Kollar to catalog editor in Publications.

Lee K. Pupal to assistant extension agent in Agriculture.

Sheranetta Reid to assistant extension agent in Agriculture.

Jeffrey F. Schlader to systems analyst at Hershey.

Christine H. Shrift to assistant extension agent in Agriculture.

Frank X. Simmons to assistant extension agent in Agriculture.

Jane E. Swartz to assistant extension agent in Agriculture.

Christine A. Tomascik to assistant extension agent in Agriculture.

Evelyn Vitello to assistant extension agent in Agriculture.

Arlene K. Weyandt to assistant extension agent in agriculture.

Roger L. Williams to director of campus relations at Capitol.

Martha M.Z. Wojcik to assistant extension agent in Agriculture.

Staff Non-Exempt

Christine Malinaki to senior research technician at Hershey.

Christine A. Whittington to documents services assistant in Libraries.

Clerical

Betty A. Anderson to secretary C at Hershey.

Patricia M. Long to clerk, accounting A in Continuing Education.

Angela R. Lucas to patient care clerk at Hershey.

K. Melinda Meyers to secretary C in Continuing Education.

Christine Wilson to secretary C in Engineering.

Technical Service

Joseph Reed Kocher to maintenance worker, utility, in Applied Research Laboratory.

Irvin H. Meyers to truck driver, laundry at Hershey.

Bonnie L. Osevala to environmental health worker — group leader at Hershey.

Obituaries

Elizabeth B. Bachman, a secretary with Continuing Education after her retirement in 1976, died Aug. 9 at the age of 64. After joining the staff in 1966, she also worked as a clerk typist and campus scheduler with Continuing Education.

Angelo E. Corege, a utility worker at the Nittany Lion Inn, died Aug. 14 at the age of 36. A native of Mill Hill, he had been employed at the Inn since July 1970.

Leroy Mensch, a houseperson with Housing and Food Services from 1951 to 1958, died Aug. 5 at age 87.

Carpoolers

Duane Stinner needs one rider for a carpool leaving Houtdale at 6:30 a.m. and State College at 4:30 p.m. Phone 865-4651 or 814-378-5231.

Lawrence Rotiner needs a daily ride from Bellefonte, to arrive for work at 8 a.m. and leave campus at 1:30 p.m. Phone 865-1841.

Irene Toth would like to ride with someone from Bellefonte, to arrive for work at 8 a.m. and leave campus at 1:30 p.m. Phone 865-1841.

Elsewhere in Academe

Comparative financial statistics for community and junior colleges during 1978-79 show that a majority get at least two-thirds of their money from state and local government, and half get less than a sixth of their income from tuition and fees. The report, published by the National Association of College and University Business Officers, also shows that the average community college allocates little more than 1 percent of its total budget to scholarships and fellowships.

The College Scholarship Service reports that the average tuition at private, four-year colleges and universities in 1980-81 will be \$3,279, up 10.1 percent from last year. At public colleges and universities the average charge for '80-'81 will be \$706, an increase of 4.4 percent.

Students at private institutions will pay an average of 14.3 percent more (\$6,082) in total expenses; that those at public four-year institutions, 12.7 percent more (an average of \$3,409).

Data compiled by the College Placement Council show average salary offers to many of this year's baccalaureate degree holders are higher than those extended to last year's graduates. The highest offers went to engineers, led by petroleum engineering with \$23,844 annually, 10.8 percent above 1979. Second-ranked chemical engineering, at \$21,612, experienced a 9.7 percent gain.

Percentage increases in average salary offers for business graduates ranged from 7.2 percent, for accounting majors, to 10.5 percent for business-general. These gains brought the average offer for these disciplines to \$15,516 and \$14,616 per year, respectively. Computer science majors received offers averaging \$18,696, an 11 percent rise.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1237 (network line 475-1237). Applications for these staff vacancies will be accepted until 5 p.m., Aug. 28, 1980. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

JUNIOR ENGINEERING AIDE, APPLIED RESEARCH LABORATORY Responsible to the Project Engineer or designated Senior Engineering Aide for assistance in the fabrication, testing, installation, operation, and maintenance of non-standard electronic parts, components and equipment. Associate degree or equivalent in electrical engineering technology program and more than three months of effective experience are required. Position may require travel on field assignments, including assignments aboard ships at sea.

ENGINEERING AIDE, APPLIED RESEARCH LABORATORY Responsible to the Project Engineer or Senior Engineering Aide for the design and layout of routine electronic circuitry. Assist with the conduct of tests and with the collection, compilation, and analysis of data. Fabricate and construct electronic components and equipment. Requirements include associate degree or its equivalent in electrical engineering technology program, plus two to four years of effective experience in the design and fabrication of experimental equipment. Position may require travel on field assignments, including assignments aboard ships at sea.

HOUSING SUPERVISOR, COLLEGE OF MEDICINE, HERSEY Responsible to the Director of Business Services for coordination and management of housing units. Maintain uniform assignment policies and procedures to assure equitable handling of all eligible applicants. Bachelor's degree in business administration, with three to four years of college/university or private apartment management experience.

SENIOR RESEARCH INSTRUMENTATION AIDE, COLLEGE OF SCIENCE Responsible to the Supervisor, Research Instrument Group, to assist in the design, construction, packing, documentation and maintenance of nonstandard instruments in the Chemistry Department. Associate degree or its equivalent in electronics required, plus three to four years of effective experience with scientific instrumentation or electronic components of instrumentation. Experience with analytical instruments and a basic knowledge of chemistry, physics and mechanics are highly desirable.

AREA REPRESENTATIVE, CONTINUING EDUCATION, YORK CAMPUS This position is responsible for the functions of development, organization, operation, and administration of assigned geographic district. Bachelor's degree or equivalent, plus two to three years of directly related experience.

Aug. 21-Sept. 4 Special Events

Thursday, August 21

Final examinations.

Friday, August 22

Final examinations.

Saturday, August 23

Final examinations.

Shaver's Creek Nature Center, children's program, 9:30-11:30 a.m., Stone Valley. 865-1851 for further information.

Sunday, August 24

Residence halls close for Summer Term, 3 p.m.

Monday, August 25

International Student Arrival Day Orientation, 8:30 a.m.-5 p.m., Room 101 Kern.

Fuel Science Seminar, 2 p.m., Room 301 Seidle.

Aldo D'Illorono, Istituto di Ricicco Sulla Combustione, Naples, Italy, on "Soot and Polycyclic Hydrocarbon Flames."

Tuesday, August 26

International Students Orientation, 9:30 a.m., through August 26, Kern Bldg. and Eisenhower Chapel.

Wednesday, August 27

Special Physical Chemistry Seminar, 4 p.m., Room 333 Whittome, Dr. Richard Zellner.

Univ. of Göttingen, on "Non-Arrhenius Behavior in Bimolecular Gas Reactions of the Hydroxyl Radical"

Thursday, August 28

Summer Term Commencement, 10:30 a.m., Rec. Hall.

ASSISTANT DEAN OF STUDENT AFFAIRS, STUDENT AFFAIRS, HAZLETON CAMPUS Responsible to the Dean of Student Affairs for assistance in the overall operation of student affairs programs and services at the Hazleton Campus including administration and coordination of specific areas such as financial aid, Commons Building management, student and cultural affairs programming, student organization administration, student orientation program, preparing the Campus student handbook and assisting with the on-campus high school visitation programs. Requirements include master's degree in student personnel administration, counseling or related field, or equivalent training, plus two to four years of effective experience.

PATIENT FOOD SERVICE SUPERVISOR, COLLEGE OF MEDICINE, HERSEY Responsible to the Assistant Food Service Manager for operation, scheduling and supervision of personnel in the Food Service Department. High school plus at least two years of formal outside training, and two to three years effective food service experience, are required.

AREA REPRESENTATIVE, CONTINUING EDUCATION, McKeesport Campus This position is responsible for the functions of development, organization, operation, and administration of Continuing Education programs and services within an assigned geographic district. Bachelor's degree or equivalent, plus two to three years of directly related experience, are required.

MAINTENANCE FOREMAN, Worthington Scranton Campus Plan, schedule and directly supervise the maintenance and janitorial staff in all aspects of maintaining the grounds, building and equipment of the Campus. High school graduate with several years of trade training, two to four years of directly related experience in carpentry, electrical work, landscaping, plumbing, painting and maintenance, and supervisory experience are required.

ART ASSISTANT, CONTINUING EDUCATION Responsible to the Art Specialist for the design and execution of art work as assigned for use in television or film production, public display, or as visuals for meetings, conferences, etc. Maintaining professional standards and creativity under deadline and budgetary limitations. Bachelor's degree or equivalent, plus a minimum of one year of directly related experience are required. Employees should have experience as an artist in television and must understand set design and set construction. Experience with designing, laying out and the mechanics for printed pieces (posters, flyers, letterheads, etc.) is also necessary.

RESEARCH AIDE, COLLEGE OF AGRICULTURE Prepare and perform various types of experiments related to poultry behavior, which includes numbering, birds, pedigree hatching, electrode implanting. Collect and record behavioral data, calibrating 1cm and 35mm camera equipment, tape records, electrophysiological instruments and direct observations. Assist with data analysis, organization. Submit data for computer analysis, organize output and prepare preliminary evaluation. Prepare drawings, graphs, figures and charts of data collected. Responsible for laboratory equipment maintenance and orderliness of laboratory. Bachelor's degree or its equivalent in biology, animal science, etc., with three to six months of effective experience, are required.

Monday, Sept. 1

Labor Day. University offices closed

Tuesday, Sept. 2

Faculty study areas distributed for Fall Term,

7-15 a.m., Room 106 Central Palace.

Information, 865-5422.

Arrival date for students for Fall Term.

Computeration Center, microcomputer users

meeting, 7:30 p.m., Room 110 Comp. Center

(use back door).

Wednesday, Sept. 3

University Choirs, auditions for new members,

through Sept. 6, 9 a.m.-4 p.m. (Sept. 6, 9

a.m.-noon), Rooms 212 Chapel and 112

Music Bldg.

HUB Café Center registration for first session

Fall '80 classes, through Sept. 13, noon-5

p.m., Room 312 HUB.

Thursday, Sept. 4

Registration for Fall Term, through Sept. 5, 8

a.m.-5:30 p.m., IM Bldg.

Continuing Education registration, noon, Room

101 Kern. (Sept. 5, 9 a.m.-5 p.m.)

Exhibits

Kern Gallery: Alfred Charley, sculpture,

opens August 29

Museum of Art: CPFA, juried crafts, through

August 22; highlights from the permanent

collection; Sidney Goodman, paintings,

drawings and graphics. 1959-1979

Pattee Library: Chandra Swami, recent laser

photography, East Corridor Gallery.

Stephen Tuttle, recent photography, Lending

Services Lobby. Susan McKelvey, post-

functional ceramics, Main Lobby. Grimm's

Fair Tales in English, from the Allison-

Shelly Collection. Rare Books Room

News in Brief

(Continued from page 1)

Employees who present an E&I Cooperative Service discount sticker will automatically be charged the most advantageous rate by the rental agencies. Hertz and Avis stickers, which may be used for either business or pleasure trips, are available by sending a simple request in writing to Joan Everhart, Room 219 Shields Building. Telephone requests will not be honored.

Stickers should be affixed to the employee's major credit card—American Express, VISA, Mastercard, Air Travel Card, etc.—since all billings will be made directly to the individual.

Continuing Education registration is Sept. 4-5

Nearly 30 college credit courses will be available at University Park during evening hours this fall through Continuing Education. Anyone with a high school diploma or its equivalent may register.

Registration will be conducted Thursday, Sept. 4, from noon to 8 p.m., and Friday, Sept. 5, from 9 a.m. to 5 p.m. in Room 101 Kern Building. Counseling is available to students enrolling in courses through Continuing Education both at registration and throughout the term by appointment.

Students taking Continuing Education courses are not required to seek admission to the University unless they wish to become degree candidates. Credits earned through part-time study may be applied toward a baccalaureate degree. Many noncredit courses have also been scheduled for Fall Term in fields of interest to persons in business and management positions, food service administration, insurance, real estate and nursing. Special courses are offered for persons wishing to develop skills in calligraphy, Chinese cooking, or children's literature.

Further information and a descriptive brochure are available from Penn State Continuing Education, Room 102 Bouckee Building, University Park, PA 16802, or by phone (814) 865-3443.

Libraries' term break schedule

Special hours have been announced for the University Libraries during the break between Summer and Fall Terms.

The Pollock Library will remain closed from midnight, Friday, Aug. 22, until 9 a.m., Monday, Sept. 8.

On Saturday, Aug. 23, the last day of final examinations, Pattee Library and the branch libraries will be open from 7:45 a.m. to 5 p.m. All libraries will be closed Sunday, Aug. 24.

Pattee and the branches will be open from 7:45 a.m. to 5 p.m., Monday through Friday, Aug. 25-29. The libraries will be closed Aug. 30, 31, and Sept. 1.

Tuesday through Friday, Sept. 2-5, the hours will be 7:45 a.m. to 5 p.m. After closing Sept. 6 and 7, the libraries will resume regular Fall Term hours Sept. 8.

Regular Fall Term hours for Pattee will be 7:45 a.m. until midnight Monday through Thursday; 7:45 a.m. to 9 p.m. Friday; 7:45 a.m. to 4 p.m. Saturday; and 1 p.m. to midnight Sunday.

Branch libraries' hours are the same as Pattee except that closing time is 11 p.m. Sunday through Thursday.

Craft Center registration to be held Sept. 3-13

First session registration for the HUB Craft Center will be held Sept. 3-13 from 12 noon to 5 p.m. in Room 312 HUB. An open house is scheduled Sept. 9 from 7:30-9:30 p.m. and classes will begin Sept. 14.

Classes include wheel-pottery, handbuilt pottery, loom weaving, calligraphy, macramé, tapestry, batik, silkscreen and stained glass.

A second session will be offered in October, with registration the week of Oct. 5 and classes opening Oct. 14.

Kellogg to support five-year study

Penn State, with funding from the W.K. Kellogg Foundation of Battle Creek, Mich., has begun a major project to develop practice-oriented programs in continuing education for professional people.

Supported in part by a \$1,175,000 Foundation grant, the five-year project will enable a Penn State team to work with associations and practitioners in six professions to develop educational models that will have applicability to a wide range of professions.

"Because this project is one of the first efforts calling for continuous collaboration between the professions and higher education, it has nationwide implications," said Carl A. Lindsay, head of Planning Studies in Continuing Education and director of the University-wide project.

Widespread concern for continuing education for practicing professionals has grown out of increased public pressure for accountability, periodic relicensure requirements in some fields, and increased complexity in the business world, according to Dr. Lindsay.

Penn State conducted a pilot study which led to the development of what it calls a "Practice Audit Model." This seven-phase process begins with the organization of a project team for each profession and ends with ongoing evaluation after continuing professional education programs have taken place.

"The University is committed to integrating continuing professional education into the academic and administrative structure of the University," said Dr. Arlon E. Elser, a Foundation program director in education. "This program is a major effort to implement an intra-University, inter-professional Continuing Professional Education initiative, and it also represents a new dimension in W.K. Kellogg Foundation support."

An important first step in the newly

funded project will be the appointment of a national advisory group to assist in the selection of six professions, to which the Practice Audit Model will be adapted.

One of the goals of the project is to demonstrate that the Practice Audit Model has the flexibility to be adapted to a wide range of professions and occupations.

"We also hope that one outcome of the project will be the strengthening of ties between professions and the higher education system in the United States," Dr. Lindsay continued. "The rapid expansion of knowledge, especially in the technical and health-related professions, has led professionals and the associations which represent them to recognize the importance of keeping up to date with these developments."

"The Penn State/Kellogg effort attempts to bring together the resources of the professions and the University to help solve the problem of professional obsolescence."

Floyd B. Fischer, vice president emeritus for Continuing Education, who was instrumental in developing the project proposal, stated, "Through this project the University is affirming its long-term commitment to continuing professional education and emphasizing its importance for the 1980s and beyond."

In 1930, breakfast cereal pioneer W.K. Kellogg contributed \$45 million in personal wealth to establish the Kellogg Foundation.

Funding Sources

For further information, call 865-1372

(344-1) Research support for colleges and universities continues to expand significantly through Department of Defense extramural research opportunities. Some of these are in cooperation with NSF, NASA, DOE, and HHS(NIH). Others are through the DOD services: AFOSR, ARO, and ONR. For details about DOD lab and university programs ask us for OFF Report 7/31/80, Item No. 15 and/or call Dr. Bill Fox, DOD, at 202-697-4506.

Four differing orientations distinguished in department head study

Interviews with 39 University department heads were conducted by Ann Kieffer Bragg for her doctoral dissertation in higher education. While a general feeling of role conflict was common to study participants, Dr. Bragg was able to distinguish four ideal types among them. She has categorized their orientations as (1) faculty, (2) external, (3) program, and (4) management.

Department heads falling into the category of faculty orientation, according to Dr. Bragg, "described their primary responsibilities as recruiting, developing and evaluating faculty members; facilitating the work of the faculty; reducing intra-departmental conflict; and improving faculty morale."

The department heads viewed as externally oriented "described their primary responsibilities as representatives/brokers or as grantsmen," Dr. Bragg writes. They sought to increase the number of research grants and contracts in their departments, to obtain more space and equipment, to improve graduate or professional training within the department, and to enhance the department's external image.

To create the best program or programs possible was the goal of department heads categorized as program-oriented. They were trying to boost departmental productivity by generating more student credit hours and attracting more majors. "Most were also keenly aware of changes in direction within the discipline or profession to which the department needed to respond," points out Dr. Bragg, who is director of educational relations and special assistant to the Senior Vice President for Administration.

Prestige and productivity were listed as their principal goals by management-oriented department heads, who were

particularly concerned with the efficiency and effectiveness of departmental operations.

Dr. Bragg found that department heads in each of the above categories "reported a pattern of socialization experiences—prior work experiences, identification of peers and role models, and future career plans—different from the pattern reported by department heads in the other typologies."

Faculty-oriented heads, for example, had little or no work experience outside academe. They identified scholars whose research they admired as positive role models and thought of senior faculty members as their peers. They considered themselves faculty members rather than administrators and expressed their intention to return eventually to full-time faculty status.

"A sensitivity to management practices permeated the socialization of management-oriented department heads," Dr. Bragg points out. "Their expectations of the heads role appeared to be derived not from experience as a teacher-scholar but from their prior experience as administrators and from observation of and interaction with other administrators. . . . They considered themselves administrators rather than faculty members and seemed to enjoy being department heads."

Externally-oriented heads seemed to derive their role expectations from their associations within their field of study and had accumulated previous, helpful experiences as successful grantsmen or as active members of a national professional association. They considered both department faculty members and other heads as their peers, and saw few conflicts between faculty and administrative statuses.

Program-oriented heads reported an average of 12 years of prior experience as practicing professionals or as academic administrators. Unlike department heads in the other typologies, they identified charismatic role models who had been "towering figures" in their fields. They considered themselves faculty members in some situations and administrators in others.

Among Dr. Bragg's other findings are:—At the time of their interviews, the "typical" head in the study sample was a 46-year-old male full professor who had earned a terminal degree 15 years earlier and had served four years or less as a head.

—Only four of the 39 interviewed said they had actually planned to be or worked to become a department head.

—Most heads had had some prior experience they felt was helpful, such as serving as a research center or project director.

—The department heads generally reported a positive overall self-evaluation of their performances.

—Little or no formal orientation was provided when the heads assumed their roles, although informal guidance was supplied by college deans and their staffs.

—Two-thirds of the sample disliked the idea of the three-year rotating chairmanship, voicing the opinion that the time was too short to exert academic leadership. Almost half approved of a five-year fixed term, especially if the term was renewable after a review.

—Sixty-two percent of the heads planned to return to full-time faculty status when they stepped down.

—Sixty-four percent viewed themselves primarily as faculty members; 23

percent saw themselves as administrators; 13 percent felt they had to be both equally.

Dr. Bragg notes that most of the department heads interviewed expressed "some role conflict" evidenced by reported feelings of role ambiguity, role overload or general dissatisfaction with particular aspects of the heads role. The similarity of department head frustrations suggested that role expectations were unclear or inconsistent and/or feedback on role performance has been inadequate.

Dr. Bragg suggests that institutions can take a number of steps to reduce the tensions inherent in juggling the roles of leader, manager and scholar as reported by the department heads in her study.

"Unlike business and industry, academic institutions have tended to interpret role ambiguity as freedom. . . . she writes. "This research, however, suggests that there may be a point where ambiguity becomes counterproductive. . . ."

"A clear and consistent presentation of expectations of department heads during the selection and orientation processes and the provision of support and frequent formal feedback and informal encouragement could reduce the department heads feelings of role ambiguity, overload and general dissatisfaction with the heads role," she concludes. "The operative word here, however, is 'reduce.' The aim of incumbency socialization and of the suggestions given for changes in college and university policies and procedures is not to produce happy, and perhaps self-satisfied, department heads, but rather to remove some of the barriers that seem to be preventing growth and creativity in department heads' role performances."

Penn State Intercom

Admissions Dean discusses plans for student recruitment in '80s

"It's been an intriguing year," Admissions Dean Donald G. Dickason says of his first 12 months at Penn State.

As the first Penn State dean to get around by moped, Dean Dickason and his helmet have become a familiar sight shuttling back and forth between his office in Shields Building and central campus. With the help of more conventional transportation, he has managed also to cram in trips to 20 of Penn State's Campuses.

Although 18- to 22-year-old enrollments are projected to decline by 27 percent between 1978 and 1990, Penn State is still holding its own, Dean Dickason reports. As Fall Term opens, the University has 11,500 paid accepts (entering new students), down by about 800 from the boom year of 1979. "System-wide, a drop of 800 is not that much," Dean Dickason points out, "but some interesting factors are at work. For example, our total number of applications was off about 3 or 4 percent. Applications for University Park stayed up, but the yield—the percentage of offers which students accepted—dropped by about 4 percent from last year.

"At the same time, while applications for the Commonwealth Campuses and Behrend College declined, their yield was sustained at about the same level as last year. We're still puzzling over the causal factors. Still, to put all of this in context, we are above 1978 in virtually all of our statistics.

"We're particularly pleased—in the light of events at Three Mile Island—that enrollments at Capitol Campus have held up very nicely."

Among the Colleges at University Park, Dean Dickason notes that Liberal Arts is a "big winner" this year. Its new student enrollment climbed from 843 in all terms in 1979 to an estimated 913 for 1980. Engineering is the only other College to register an increase in 1980, up 75 from 835 in 1979. Arts and Architecture will have the same number of students, but the College added two departments (music and art education) in 1979.*

Penn State currently attracts applications from about a third of all the high school college-bound graduates in Pennsylvania, year in and year out. The Admissions staff, however, is also looking farther afield—to out-of-state recruiting.

"To say we have 'recruited' out-of-state to date is oversteating the situation," Dean Dickason says. "We only began to pay attention to out-of-state students about three or four years ago. Since then, applications have increased about 50 percent, representing a 6 percent larger proportion of the total applicant pool; the number of paid acceptances has also increased by about 50 percent."

Does Dean Dickason think Penn State can make up any losses it may suffer from declining in-state enrollments by attracting students from other states?

"If we were to lose 5 percent of our pull in Pennsylvania, we could probably get 5 percent more from out-of-state," he answers. "I don't know whether we could get 10 or 15 or 20 percent more. But I am

convinced that Penn State's image is very strong outside the state and that we have some additional capability there.

"The yearly American Council on Education studies of the attitudes of in-bound college students show a dramatic change in the University's image. In 1977, 59 percent of our freshmen said they had chosen to attend Penn State because of its academic image. In 1978, the number jumped to 65 percent, and in 1979 to 69 percent. That's a good deal of shift, and I think it's a very positive signal."

In this issue:

- 1980-81 Revised Administrative Guidelines for P5-23, pages 4-5
- Fall Term Calendar, pages 6-7

The Undergraduate Admissions Office has spent the past year gearing up for an expanded recruiting push at Penn State. "When I came last fall, most of the activities for the 1979-80 operating year were already planned and in motion," Dean Dickason notes.

Secondary School Relations and the old Admissions Office had been merged and placed under the Office of the Provost.

"Having Admissions report to the University's chief academic officer makes it part of the academic process, and that's where I think it should be," Dean Dickason comments.

Following the merger, the newly centralized office was reorganized by regionalizing its staff. Dean Dickason explains that in the past each Admissions staff officer had a particular responsibility such as advanced standing students, provisional students, readmits, and the like. To bolster efforts in the field, Admissions officers are now assigned in groups of five or six to four regions—eastern, central and western Pennsylvania and out-of-state. In this way, staff members come to know the guidance counselors in their areas. They can maintain contacts with students there, handle any complaints and make school visits.

(Continued on page 8)



Dean Dickason

Subscriptions still available for the Artists Series

Less than a week remains to purchase an Artists Series 1980/81 season subscription. Subscriptions will be sold from 9:30 a.m. to 12:30 p.m. and 1:30 p.m. to 3:30 p.m. in Pine Cottage until Wednesday, Sept. 10.

The Music Series will open the 1980/81 Artists Series season on Sunday, Sept. 14, with the pianist John Browning. This series will also include performances by the Goldovsky Grand Opera Theatre in *The Barber of Seville* (in English), the Minnesota Orchestra with Neville Marriner conducting, the Empire Brass Quartet, the Wuerttemberg Chamber Orchestra with conductor and trumpet virtuoso Maurice Andre, and the Gewandhaus Orchestra of Leipzig.

The Pittsburgh Chamber Orchestra, with violinist Szymon Goldberg, will open the Fine Arts Series Friday, Oct. 10. Other Fine Arts performances include Metropolitan Opera baritone Hakan Hagegard, the Concord String Quartet, the New York Woodwind Quintet, and oboist Heinz Holliger. As a bonus for subscribers to this series, two additional concerts—the Pittsburgh Chamber Orchestra with pianist Boris Bloch on Saturday, Oct. 11, and the hilarious Intimate P.D.Q. Bach on Friday, Feb. 13—may be added to a Fine Arts subscription for a nominal price.

(Continued on page 3)



Dr. Tischler

Changes made in Senate officers

A change in its officers will be the first order of business confronting the University Faculty Senate when it assembles for its first meeting of the new academic year at 2:10 p.m. on Tuesday, Sept. 9, in Room 112 Kern Building.

The Senate's chairman-elect, Edward H. Klevans, professor of nuclear engineering, is relinquishing his post in order to assume another position in the University. (His new responsibilities will be announced later in the month.)

According to the Bylaws of the Senate, the secretary of the Senate becomes interim chairman-elect, so the latter office will be filled by the present secretary, Dr. Nancy Tischler, professor of English and humanities at Capitol Campus. Next May, in its regularly scheduled elections, the Senate will choose both a new chairman and a chairman-elect.

Before the September meeting, the elected representatives of Senate Council will choose a successor to Dr. Tischler.

A member of the faculty since 1966, Dr. Tischler previously taught at Susquehanna and George Washington Universities. A graduate of Wilson Teachers College, she earned her M.A. and Ph.D. in English at the University of Arkansas. She has been a Fulbright Scholar and a Danforth Associate. She is the author of several books, including *Dorothy L. Sayers: A Pilgrim Soul*, *Legacy of Eve: Images of Women in the Bible*, *Black Masks: Negro Characters in Modern Southern Fiction*; and *Tennessee Williams: Rebellious Puritan*.

A light docket will greet senators at the opening session. The Committee on Academic and Physical Planning will present a status report on construction projects as of June 27, 1980. An informational report on administrator/faculty perceptions of the role of Continuing Education activities in promotion and tenure decisions will be presented by the Committee on Continuing Education. The report includes the results of questionnaires submitted to faculty members and administrators in November 1979.

A status report on BDR II will be presented, as well as the annual informational report on the Division of Undergraduate Studies (DUS), and one in a series of continuing reports reviewing the Extended Degree in Administration of Justice.

Sept. 12 deadline for phone directory

Members of the faculty and staff are reminded that Friday, Sept. 12, is the deadline for submitting changes in addresses, phone numbers and titles for the new "Faculty-Staff Telephone Directory."

Procedures for compiling the Directory were changed this year, and the customary information form has not been mailed to faculty and staff members for verification. Provisions for continuous updating of information have been made in the University's official payroll file.

Office and home addresses for all members of the faculty and staff are listed on employee payroll checks or deposit stubs. Employees should verify their addresses. If they are incorrect, the following forms should be submitted to change addresses and/or phone numbers:

1. Office Address and Phone Number—O.A.T.I. Form, Page 8.9, in the General Forms Usage Guide.
2. Home Address and Phone Number—W-4 Form, Page 5.6, in the General Forms Usage Guide.

Employees whose job titles have changed since the publishing of the last telephone directory should submit a Payroll Change Form (Page 5.12 in the General Forms Usage Guide) to change their job title on Official University Records.

All of the above forms are available from Personnel Representatives or Business Managers and must be submitted to Payroll no later than Sept. 12.

Personnel having a second title or office address and wanting both listed must contact Telephone Services no later than Sept. 12.

*All of these projections were made before students had participated in the Freshman Testing, Counseling and Advisory Program, so some variations can be expected.

Penn Staters

Dr. Robert C. Bealer, professor of rural sociology, has been chosen president-elect of the Rural Sociological Society. Founded in 1937, the Society serves a worldwide membership of rural sociologists in research, teaching, and extension. The author of more than 150 publications, Dr. Bealer conducts research in the area of metasociology — the application of sociological theory to research — and the continued significance of rurality in American society. He was appointed to the faculty in 1958 after receiving undergraduate and master's degrees from Penn State and a Ph.D. in sociology and anthropology from Michigan State.

Dr. Robert O. Blanchard, director of the School of Journalism, has been elected vice president and president-elect of the American Association of Schools and Departments of Journalism. AASDJ membership includes the deans and directors of the accredited journalism and mass communication programs at 80 universities in the United States.

Dr. Roland M. Leach, professor of poultry science, has received the American Feed Manufacturers' Association Award of \$1,000 for achievements in research into poultry nutrition. This is a major national award in the field of poultry research.

Dr. Leach's research effort has focused on three areas — mechanisms of egg shell formation, trace elements and the food chain, and leg weakness in turkeys and broiler chickens. A graduate of the University of Maine, he received his M.S. and Ph.D. in nutrition from Purdue and Cornell, respectively. He has been a faculty member at Penn State since 1968.

Dr. Carolyn Wood Sherif, professor of psychology, delivered the presidential address to Division 35 (Psychology of Women) of the American Psychological Association on Sept. 3 at the Association's annual meeting in Montreal. Her topic was "Needed Concepts in the Study of Gender Identity." In addition, Dr. Sherif was one of four speakers in a panel on "Eminent Women in Psychology," and presented a paper, "Involvement of the Self in Cognitive Processes."

Dr. Robert W. Ott, associate professor of art education, has returned from the University of Toronto, where he served as Distinguished Gaiskell Professor in the Visual Arts, responsible for graduate seminars and lectures on museum education. Dr. Ott also conducted a Foreign Studies Course in Museum Education in London and Amsterdam with the cooperation of a number of British and European museums.

Robert Trehy, professor of music and IAHS Fellow, performed as baritone soloist this summer with the St. Louis Symphony in two concerts devoted to the works of Rodgers and Hammerstein.

Dr. Della M. Roy, professor of material science, presented six papers in Paris at the week-long Seventh International Congress on the Chemistry of Cement.

Dr. Joseph Jordan, professor of chemistry, was one of the nine American scientists to participate in the Heyrovsky Memorial Congress on Polarography in Prague, Czechoslovakia, Aug. 25-29. His trip was supported by a grant from the National Science Foundation. He presented an invited lecture, "Electron Transfer Paths within the Prosthetic Groups of Hemoproteins," and moderated a panel.

At a colloquium on Bernini and His Influence held at the American Academy in Rome, Dr. Hellmut Hager, professor and head of art history and IAHS Fellow, presented an invited lecture, "Some Observations on Bernini's Architectural Legacy."

Roy Vollmer, associate professor of architecture, was an honorary research fellow at the City of Birmingham Polytechnic in Birmingham, England, this summer. He was studying prehistoric architecture.

Dr. James B. Stewart has been appointed assistant professor of economics and director of the Black Studies Program at the University, effective Sept. 1. Dr. Stewart, 33, has had similar responsibilities at the University of Notre Dame since 1975.

Dr. Stewart earned his B.S. in mathematics at the Rose Hulman Institute of Technology, his M.A. in economics at Cleveland State University, and his Ph.D. in economics at Notre Dame. His research interests center on economic development, economic problems in predominantly black communities, and the history of economic thought and methodology. He is co-author of *Regulation, Value and the Public Interest* and has published numerous pieces in scholarly journals. A member of the executive board of the National Council for Black Studies, Dr. Stewart held a National Endowment for the Humanities Independent Study Fellowship last year.

Caroline D. Eckhardt, associate professor of English and comparative literature and director of the Comparative Literature Program, is the editor of a book, *Essays in the Numerical Criticism of Medieval Literature*, published by the Bucknell University Press. The book, to which Professor Eckhardt contributed a chapter, a preface, and a bibliographical note, is a collection of studies of such medieval authors as Dante and Chaucer. The premise behind "numerical criticism" is that both the structure and the symbolism of literary works may be mathematical, governed by significant quantitative patterns or proportions.

Dr. Mary Lou Romanek, assistant professor of music education at McKeesport, presented a paper, "Cantometrics and World Music for the Early Childhood Music Curriculum," at the International Society for Music Education, XIV World Congress, in Warsaw, Poland, earlier in the summer.

Dr. James Hammond, associate professor of medicine at Hershey, has received a senior international fellowship from the Fogarty International Center of the National Institutes of Health (NIH). Dr. Hammond will use the fellowship for 12 months of study at the Medical Research Center, Prince Henry's Hospital, Melbourne, Australia. The fellowship was established by Congress and NIH "to provide an opportunity to representatives of the best in the American health sciences for a meaningful exchange of thought and expertise with foreign colleagues to the mutual benefit of all concerned." Three other faculty members have received the fellowship since 1978. They are Dr. John Connor, professor of pharmacology; Dr. Richard Santen, professor of medicine; and Dr. Richard Rose, associate professor of surgery and physiology.

Dr. Paul H. Cutler, professor of physics, presented papers in Japan and India during July. At the 27th International Field Emission Symposium in Tokyo, he spoke on "Recrystallization and I-V Characteristics of Metal-Vacuum-Metal Point-Contact Junctions of Identical Metals. I. Effects of Temperature and Multiple Image Interactions." His co-author was Dr. Nicholas M. Miskovsky, assistant professor of physics at Altona.

In New Delhi, Dr. Cutler presented an invited talk on "Metal-Vacuum-Metal Point-Contact Junctions" at the National Physical Laboratory.

Stuart Frost, professor of art and a Fellow in the Institute for the Arts and Humanistic Studies, has received his 25-year chair from the University.

Professor Frost, who teaches classes in



Professor Frost



Professor Kocher

drawing and painting, received his B.A. from the University in 1949. He continued his studies at the Skowhegan School of Painting and Sculpture and the Brooklyn Museum School, and also studied art history at New York University.

His works have been selected for exhibition in group shows throughout the country, including at the Museum of Modern Art and the Metropolitan Museum of Art in New York City. One-man exhibitions of his work have been held in college and university galleries in Pennsylvania, Maryland and New Jersey; and his artwork is in the permanent collections of the Butler Art Institute, the Pennsylvania Academy of the Fine Arts and the Dulin Gallery of Art.

As a student, Mr. Frost served as an assistant to Henry Varnum Poor when the muralist was executing the Land Grant Frescos in Old Main. He also worked with Allyn Cox on the frescoes in the Capitol Building in Washington, D.C.

Promotions

Faculty

Elizabeth M. Buckmaster to assistant professor of English at Delaware County.

John L. Swasy to assistant professor of marketing in the College of Business Administration.

Staff Exempt

Adele M. Britton to assistant dining hall supervisor in Housing and Food Services.

William R. Klingler to recreational therapist at Hershey.

Staff Non-Exempt

Deborah R. Kreiger to senior staff nurse at Hershey.

Clerical

Virginia A. Van Norden to secretary B in Continuing Education at Delaware County.

Technical Services

Grace L. Boldin to food preparer A in Housing and Food Services.

Holly M. Neff to food preparer A in Housing and Food Services.

Bonnie J. Stahlin to food production helper in Housing and Food Services.

Steven R. Wallace to utility worker at Hershey.

for this examination. He is also an associate editor of MAA's *American Mathematical Monthly*.

During the fall semester, he will teach mathematics at Baylor University.

Gladys F. Traficante is retiring as a food production worker at the Altoona Campus on Sept. 13. She has been a member of the staff since Sept. 14, 1970.

Joseph R. Watson, a Waste Water Treatment Plant operator and a member of the staff since 1962, retired Sept. 2.

Carpoolers

Clinton E. Henson is seeking a ride from Crickelwood Drive in Toftrees, leaving at 7:30 a.m. and returning at 5 p.m. Phone 865-5481 or 238-5697.

Obituaries

John E. Flynn, professor of architectural engineering, died Aug. 25 at the age of 50. A member of the faculty since 1973, Professor Flynn held a B.Arch. from the University of Michigan and had previously served as a professor of architecture at Kent State University, held a research position with General Electric, and had his own architectural firm. His research focused on the psychological effects of light.

Professor Flynn was a Fellow of the Illuminating Engineering Society and served as its national president in 1979-80. He was also a member of the U.S. National Committee of the International Commission on Illumination, serving as international chairman of the committee on environmental lighting.

Constance R. Hoerner, manager of central stores at The Milton S. Hershey Medical Center, died Aug. 17 at the age of 54. A member of the staff since 1970, she had also been employed as a patient unit administrator and coordinator and as coordinator of central services.

Patricia T. Hogan, a research assistant at Hershey, died Aug. 24. She was 51, and had been employed at the Medical Center since 1971.

Harold W. Klingler, a sign and print shop operator with the Office of Student Affairs, died Aug. 24 at the age of 64. He was employed at the University from 1968 until his retirement in January 1979.

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America's panel that prepares questions

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1347 (network line 475-1347). Applications for these staff vacancies will be accepted until 5 p.m., Sept. 11, 1980. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam war veteran.

SENIOR TECHNICAL SPECIALIST, CONTINUING EDUCATION Assist small business in the transfer and application of high technology for purposes of economic development. Provide person-to-person assistance in interpreting research findings, solving technical problems and similar technology transfer activities. Master's degree or equivalent in engineering field or physical science, plus at least seven years of related experience.

TECHNICAL SPECIALIST, CONTINUING EDUCATION Assistant small business in the transfer and application of high technology for purposes of economic development. Provide person-to-person assistance in interpreting research findings, solving technical problems and similar technology transfer activities. Master's degree or equivalent, plus two to four years of effective experience. Technical skills experience desirable.

TECHNICAL ASSOCIATE, CONTINUING EDUCATION Assistant small business in the transfer and application of high technology for purposes of economic development. Provide person-to-person assistance in interpreting research findings, solving technical problems and similar technology transfer activities. Bachelor's degree or equivalent in an engineering field or physical science, plus two to three years of effective technical experience required.

WRITER-EDITOR, APPLIED RESEARCH LABORATORY Responsible to the Personnel Director for planning and conducting an internal and external information program to communicate the activities of the Applied Research Laboratory to the Navy, research, and university communities, and various national, state, and local agencies. Gather information about Laboratory activities, write and edit news articles and release to appropriate agencies utilizing external and internal sources of communication. Bachelor's degree or equivalent in journalism, with one to two years of effective experience in writing, editing and publications work required.

ASSISTANT TO THE MANAGER, HETZEL UNION BUILDING STUDENT AFFAIRS Responsible to the Manager, Hetzel Union Building, for the supervision and operation of the HUB's physical facilities, equipment and programs during the evening and week-end hours of operation. Bachelor's degree, plus one to two years of effective experience or

equivalent, are required. Must have demonstrated ability to supervise, train, and direct other employees and to serve politely, but firmly, the general public.

RESEARCH AIDE, COLLEGE OF SCIENCE The research aide will work with several groups in the Physics Department in developing new research apparatus. An associate degree or equivalent in electronics, engineering technology, or physics, plus two to three years of effective experience, are the minimum qualifications. Initial appointment will be until June 30, 1981. The position may or may not be continued, depending on whether funds are available.

MANAGER, CENTRAL STORES, COLLEGE OF MEDICINE, HERSHY Responsible to the Manager, Material Handling, for scheduling and coordinating personnel and problem within the Central Stores area. Troubleshoot function areas on a daily basis to insure a smooth operation within Central Stores. Requirements include a bachelor's degree or equivalent education, plus three to four years of effective experience working in a hospital, particularly in the area of material handling, inventory control, etc.

ADMINISTRATIVE ASSISTANT, STUDENT AFFAIRS, CAPITOL CAMPUS Responsible to the Director of Student Affairs for the planning, implementation and execution of all programs and services for international students at Capitol Campus. Providing staff support to the Director in the areas of office management, budget planning, developing and coordinating Student Affairs publications, coordinating a variety of special projects, conducting appropriate studies and teaching English as a second language to international students. Bachelor's degree or equivalent, plus one to two years of effective experience, required. Experience in teaching English as a second language and working with international students is desirable.

WRITER/EDITOR, SENIOR VICE PRESIDENT FOR ADMINISTRATION, PUBLIC INFORMATION AND RELATIONS Responsible for writing and editing articles for INTERCOM and FACES OF PENN STATE and for providing public information support for a particular college/colleges for the News Bureau. Also does layouts and oversees production for both publications and establishes regular channels of communications with deans, administrative officers, department heads and faculty members in the development of publicity and public information programs. Must have ability to write well, fast, accurately and to edit and lay out a solid newspaper. Bachelor's degree in journalism or liberal arts, plus one to two years of effective experience in a writing position on a newspaper or in a public information office. Higher education experience desirable.

EDITORIAL ASSISTANT, CONTINUING EDUCATION Will research and write 30 15-minute weekly television programs for nationally distributed instructional series on current events for grades 4, 5, and 6. Responsible for cooperating with production team. Experience in news reporting, television or radio scriptwriting and/or editing is highly desirable. Candidates must submit a sample script with application. A degree or equivalent in journalism, English, speech communication, or related field required. This position is a full-time, fixed term position from Sept. 2, 1980, through May 31, 1981.



Photo from Penn State Room collection shows Poor and his daughter, Anne, working.

Talk on Land Grant Frescoes is Sept. 9

"Painting the Land Grant Frescoes in Old Main" is the title of an illustrated talk to be presented by Dr. Harold E. Dickson, professor emeritus of art history, Tuesday, Sept. 9, at 7:30 p.m. in the HUB Assembly Room.

Dr. Dickson will also show a 15-minute color film of artist Henry Varnum Poor at work on the murals. The film was made by Penn State's Motion Picture Studio.

Dr. Dickson's lecture, which is sponsored by the Department of Art History, is part of his campaign to call attention to the Land Grant Frescoes during the year in which Penn State is celebrating the 125th anniversary of its founding.

"June 18," he notes, "was the 40th anniversary of the completion of the murals."

The murals, which were contributed by Penn State students and Class of 1932 alumni, are, according to Dr. Dickson, "a pictorial wrap-up of the institution's founding and significance as a link in the chain of American land-grant colleges." Dr. Dickson and two colleagues, the late Francis E. Hyslop and J. Burn Helme, conceived the idea of getting Penn State a major work of art.

"A mural came to mind," Dr. Dickson explains, "because of the exciting work Mexican painters were doing at the time. Obviously, hiring a Mexican revolutionary was out for Penn State, so we went to Washington to examine the work of some

of the muralists the government was using to decorate federal buildings. After we saw Poor's murals in the Justice Department, we knew we had our man."

The three professors then turned their attention to fund raising. "We took to convincing, cajoling, angling and button-holding," Dr. Dixon recalls. "Students heard about murals in classes, on campus and in their most secret Greek dens."

With a promise of \$4,500 from the Class of 1932, Poor was hired — one of the stipulations being that he paint in public. Fresco watching became a principal student pastime, Dr. Dickson remembers.

The actual process of fresco painting will be illuminated in Dr. Dickson's Sept. 9 lecture.

"Henry Varnum Poor, exceptionally versatile and one of the soundest craftsmen in American art, has not been superseded in his mastery of the enduring medium of fresco," Dr. Dickson says.

A member of the faculty from 1923 to 1964, Dr. Dickson is widely known for his research on American art history. Among his recent contributions are two exhibits and catalogs.

At the opening of the University's Museum of Art in 1972, he organized the exhibit, "Masterworks by Pennsylvania Painters in Pennsylvania Collections." On the occasion of the Bicentennial, he arranged the "Portraits-U.S.A." show at the Museum.

Robeson Center to hold film festival, exhibit

A black film festival and an exhibition honoring 19th century black leader Frederick Douglass are among the early Fall Term activities at the Paul Robeson Cultural Center.

The film festival, which is sponsored by the Center and the Black Studies Program, will open with *Watermelon Man* on Wednesday, Sept. 10, at 7:30 p.m. in the Cultural Center. Films will be shown on successive Wednesday evenings at the same time and place, and all shows are free of charge and open to the public. Specific listings will appear in the weekly INTERCOM calendar.

As part of the festival, Oliver Franklin, a producer, director and professor of film at the University of Pennsylvania, will

discuss Afro-American filmmaking and show a collection of short films on Oct. 8.

The exhibition, "The Frederick Douglass Years: 1817-1895," opens Saturday, Sept. 6, and runs through Oct. 5. It is divided into four chronological sections that trace the history and accomplishments of Douglass in his fight against slavery and discrimination.

Born a slave, Douglass escaped in 1838 to become a lecturer, editor, black rights activist, vice presidential candidate and U.S. Minister to Haiti.

Distributed by the Smithsonian Institution Traveling Exhibition Service, the exhibit also contains a section of materials on black history.

Artists Series

(Continued from page 1)

Highlights of the Theatre/Dance Series are The Long Wharf Theatre's production of *The Lion in Winter*, The Elephant Man, The Jose Limon Dance Company, the Pennsylvania Ballet with orchestra in a production of Delibes' *Coppelia*, Vincent Price as Oscar Wilde in *Divisions and Delights*, and the Bella Lewitzky Dance Company.

The Drama Series will replace the previously announced programs of the National Theatre of Great Britain, which has cancelled its national tour, with performances by actress Uta Hagen in a monodrama entitled *Charlotte and Orson Welles' Moby Dick Rehearsed*, with the McCarter Theatre Company.

Peter Hack's play *Charlotte* will be presented on Friday, Dec. 5. This play is about Goethe's mistress, Charlotte von Stein. Uta Hagen, who portrays Charlotte, has won Tony and Drama Critics awards for her performance as Martha in Albee's *Who's Afraid of Virginia Woolf*.

On Saturday, March 26, the well-known professional Princeton performers, The McCarter Theatre Company, will present *Moby Dick Rehearsed* by Orson Welles. A group of Shakespearean actors rehearse a staged version of the hunt of the great white whale and gradually the stage becomes the deck of Ahab's whaling ship.

The distinguished husband-and-wife team, Ossie Davis and Ruby Dee, in *Inside/Out* on Friday, Nov. 7, and actress Irene Worth in *Letters of Love and Affection* on Friday, Jan. 23, round out the Drama Series.

In addition to its regular season, the Artists Series will present as a special event, *A Chorus Line*. Tickets to this musical are available only to subscribers to the Music, Theatre/Dance, Fine Arts, and Drama Series, and can be purchased at the same time as a subscription.

Seminars

Sept. 4-14

Monday, Sept. 8

Man-Environment Relations, Daniel Stokols, environmental psychology, UC-Irvine, on "Situational and Personal Determinants of Commuting Stress," 1 p.m., Room 5131 Human Dev.

Tuesday, Sept. 9

Physics, 3:50 p.m., Room 445 Davey. Donald R. Yennie, Cornell Univ., on "The Hadronic Structure of the Photon in High Energy Interactions."

Thursday, Sept. 11

Art Pollution, Robert J. Heinsohn, mechanical engineering, on "Pennsylvania Art Pollution Regulations," 2:20 p.m., Room 69 Willard Computer Science, John Hopcroft, computer science, Cornell Univ., on "Developments in Randomized Algorithms," 4 p.m., Room 325 Whitmore.

Acoustics, 4 p.m., Room 73 Willard. C. Pilot. Applied Viscoelasticity Lab., Institut National des Sciences Appliquées, Villurbanne, France, on "Viscoelastic Properties of Polymeric Systems."

Friday, Sept. 12

Physical Chemistry, Barbara Garrison, chemistry, on "Classical Trajectory Studies of Ion Bombardment of Solids," 2:30 p.m., Room 333 Whitmore.

Libraries, the Deans of Capitol Campus and Behrend College

the University Promotion and Tenure Review Process

and the Dean of Academic Instruction for Commonwealth Campuses of any changes to be incorporated into the Guidelines for conducting promotion and tenure reviews, and advise them to proceed with promotion and tenure reviews in their respective academic units.

- By October 15 of each year, the Office of Personnel Administration shall provide the college deans, the Director of Intercollege Research Programs and Facilities, the Dean of University Libraries, the Deans of Capitol Campus and Behrend College, and the Dean of Academic Instruction for Commonwealth Campuses with a report of all academic staff accumulating credit toward tenure within their respective units, indicating the number of years of credit earned toward tenure as of the next July 1, and identifying those subject to final tenure review.
- Faculty members beginning service at the University in 1978-79 or after normally will be reviewed during the second, fourth, and sixth years of service. Faculty members in service at the University prior to 1978-79 will continue on the schedule of first, third, fifth, and sixth-year reviews. (See PS-25 September 15, 1978, for further details.)
- Promotion and tenure reviews should begin immediately following notification by the Provost of the University.
- Promotion and tenure recommendations from the Commonwealth Campuses shall be forwarded to the college and University Libraries deans and the Dean of Academic Instruction for Commonwealth Campuses as specified in the policy before December 1. The college and University Libraries deans and the Dean of Academic Instruction for Commonwealth Campuses shall be jointly responsible to coordinate the reviews at the campus, department, and college levels to allow for adequate periods of review at each level.
- Reviews for promotion and for the granting of tenure at the department level shall be completed by or before February 1.
- Following the reviews at the college or University Libraries level, the positive recommendations made by the dean for promotion and for the granting of tenure shall be forwarded by the appropriate dean to the Provost of the University through the Office of Personnel Administration for transmittal to the University Promotion and Tenure Review Committee no later than March 15. This shall include those recommendations for promotion and for the granting of tenure for faculty members holding joint appointments in a college and in an intercollege research program. The appropriate administrative officer shall promptly inform those faculty members who did not receive a positive recommendation.
- The Director of the Intercollege Research Programs and Facilities is responsible for coordinating promotion reviews for personnel in the intercollege research programs. The Director shall forward positive recommendations for promotion for faculty not holding joint appointments in a college to the Provost of the University through the Office of Personnel Administration for transmittal to the University Promotion and Tenure Review Committee no later than March 15. The appropriate administrative officer shall promptly inform those personnel who did not receive a positive recommendation.
- For faculty members holding joint appointments in two or more colleges, the positive recommendation shall be forwarded by the college responsible for the largest share of the salary.
- At the same time that recommendations are forwarded to the Provost of the University, a summary of the general procedures followed in the reviews shall also be forwarded, as specified in the policy along with a summary of the decisions/recommendations made at each review level (campus, department, and college) for promotion and tenure. Appropriate explanation and documentation regarding significant instances of differences in judgment shall also be submitted. (The colleges shall utilize comparable procedures, as appropriate, for evaluating nominees for promotion from instructor to assistant professor. The deans of the college shall be reported to the Provost of the University through the Office of Personnel Administration.)
- By May 1 of each year, deans shall also complete the reviews of all other faculty members who are either not subject to a final tenure decision that year or not recommended for promotion that year. To insure that faculty members are appropriately informed of the results of these evaluations, deans shall remind department chairmen annually of their responsibility to inform candidates of the results of these reviews. A summary of these reviews and actions, to be forwarded to the Provost by May 15, shall include a list, by department, of faculty members continued in provisional tenure after a first, third, or fifth-year or second, fourth, or sixth-year review. The summary shall also list faculty members not reappointed and tenure-track faculty members who have resigned.
- The University Promotion and Tenure Review Committee shall complete its deliberations and forward its recommendations for promotion and tenure through the Provost of the University to the President of the University no later than July 15 of each year. The materials forwarded shall include all correspondence between the University Promotion and Tenure Review Committee and the deans and Director of Intercollege Research Programs and Facilities. The President shall notify, in writing, all recipients of promotion and tenure awards. Copies will be provided to the appropriate deans, the Director of Intercollege Research Programs and Facilities, campus directors, and the Office of Personnel Administration.
- Nomination process and development of the dossier.
- Faculty members will be reviewed for promotion only after having been nominated first in one of the following ways:

- Normally by an appropriate academic administrator.
- A person may be nominated by the initial peer review committee after the committee has consulted with the appropriate administrative officer.
 - With respect to nominations from the Commonwealth Campuses, directors and deans should confer with each other regarding proposed nominations.
 - In the case of University Park candidates for promotion and/or tenure, department heads shall have initial responsibility for the preparation of a complete and accurate dossier. For faculty members on a Commonwealth Campus, that responsibility shall rest with the Associate Director for Academic Affairs or the Assistant Director for Resident Instruction.
 - A standard format for organizing the material in the dossier shall be used by all academic units. Supplemental support materials (books, reprints, syllabi, etc.) shall be retained by the initial administrator and/or review committee and not forwarded with the dossier unless requested by those responsible for the next level of review. Deans and campus directors will receive copies of the format which shall be required for 1980-81. It is the responsibility of the deans and directors to inform faculty members and administrators in their respective areas of the content required in and format of the dossiers. Each faculty member shall be required to supply relevant information for the dossier and each faculty member shall be afforded the opportunity to place pertinent materials in the dossier prior to the commencement of the formal review process in accordance with the stipulations cited here in section C.3., and in section C.5. below as regards external letters of reference. In addition, prior to the commencement of the formal review process, candidates shall be afforded the opportunity to review for accuracy and completeness the factual records and informational material contained in the dossier with the exception of all documents, letters, and communications deemed confidential. As indicated above, the department head, the Associate Director for Academic Affairs/Assistant Director for Resident Instruction, or other appropriate administrative officer is initially responsible for preparing an accurate, complete, and properly organized dossier for each candidate within his/her administrative area. It is ultimately the responsibility of the dean to assure that each dossier sent forward follows the proper form and is authentic and complete. The University Committee will return to the dean any dossiers that have been prepared inadequately.
 - Dossiers should not contain the following items unless they are obviously appropriate and useful in making professional recommendations:
 - Evaluative statements written by the candidate.
 - Statements about a candidate's personal life unless they are germane to the quality of the candidate's work.
 - A vita which restates information presented elsewhere in the dossier.
 - Samples of the candidate's publications.
 - Letters of appreciation or thanks.
 - Courtesy outlines.
 - All committees and administrators who have reviewed previously a candidate's dossier shall be informed if any factual changes are made subsequently in the original materials. Committees and administrators shall not receive the written statements of evaluation and recommendations made at subsequent review levels. Throughout the process the privacy rights of individual candidates shall be respected.
 - All external letters of reference and evaluation shall be obtained by the relevant dean and included in the candidate's dossier from the very outset. That is, external letters of reference should be made available at all levels of review. Every effort should be taken to ensure that external letters arrive before the review process begins. Should letters arrive after the review process has started, members of the review committees which have already made a recommendation shall be notified by the dean of the presence of these letters, permitting them to retract their letter and afford an opportunity to reconsider their recommendation.
 - The dean may delegate to the cognizant department head responsibility for the solicitation of external letters but in no case should the candidate solicit letters directly. All letters should be dated upon receipt. The name of the letter writer and the date of the letter's entry into the dossier shall be noted on a log placed immediately after the divider for the section of the dossier in which the external letters are placed. The log shall not be made available to the candidate at any time.
 - External letters are mandatory for all candidates for promotion to professor and/or tenure. It is expected that dossiers will include a minimum of three external letters. External letters are optional for candidates at the associate professor level, unless promotion is recommended before tenure is granted.
 - The purpose of the external letters is to provide an objective evaluation of the candidate's achievements and reputation according to the criteria on which the individual is being judged. Critical evaluations are sought best from authoritative sources, such as for example, experts with established reputations. In order to achieve the fullest objectivity, it is not desirable to solicit evaluations from former teachers and students or from colleagues who are not current with the individual's work. Letters from these and similar sources should be obtained only when they can provide information about a candidate's performance that is not available otherwise.
 - Evaluative role of committees.
 - All individuals and committees responsible for evaluating a given candidate shall have the same factual record available.
 - Department heads, campus directors, and deans should collaborate with their respective committees to inform all individuals on the committees are well informed about each

- candidate. Although it is not required, such administrators may serve as resource persons to those review committees representing the units for which they have responsibility; however, the administrators shall not be members of the independent judgments of the committees shall render.
- Each review committee and each administrative officer shall summarize in writing their independent evaluation of a given candidate on each of the four general criteria. Administrative (department heads, division heads, directors, deans) evaluations of candidates should not include specific references to sources of confidential evaluations such as outside letters of evaluation or peer committee evaluations. These evaluative statements, along with the recommendations, shall be inserted in the candidate's dossier. Each of the summaries shall be signed. When a candidate has not received a unanimous committee vote, the evaluation should include a discussion of the reasons for the divergent opinions.
 - For candidates being considered for tenure, a summary of the first, third, and fifth-year (or second, fourth and sixth-year) reviews shall be included in the dossier by the campus, department, and college administrators.
 - Each succeeding level (locus) has the responsibility to review the preceding committee and administrator statements concerning each of the candidate's qualifications and the documentation. Special emphasis should be given, however, at each level of review to the particular criteria and perspective of that level, consistent with the broader University criteria.
 - Campus (programmatic): Particular emphasis should be placed on the evaluation of teaching ability and effectiveness and evaluation of service to the University and to the public, in addition to research competence and scholarship and mastery of subject matter.
 - Department (programmatic): Particular emphasis should be placed on research competence and on scholarship and mastery of subject matter, in addition to teaching ability and effectiveness and service to the University and to the public.
 - College: The college committee(s) review(s) department and/or campus recommendations for promotion and tenure in light of:
 - College criteria.
 - Documentation of accomplishments.
 - Equity among departments.
 - Procedural fairness.
 - University: The University Committee reviews all previous recommendations for promotion and tenure in light of:
 - University criteria related to teaching ability and effectiveness, research competence, scholarship and mastery of subject matter, and service to the University and to the public.
 - Documentation of accomplishments.
 - Equity within and among colleges.
 - Procedural fairness.
 - Faculty members at Behrend College, Capitol Campus, and in the College of Medicine shall be reviewed using procedures similar to those for faculty at University Park.
 - Although a candidate's time-in-grade is not a criterion for promotion, it is incumbent on the relevant administrator(s) to provide persuasive documentation to justify the promotion of a faculty member in instances that diverge in any significant way from the normal promotion pattern for a department, campus, or college.
- ## V. REQUESTS FOR REDUCTION OF PRIOR TENURE CREDIT
- A reduction in prior tenure credit may be permitted upon the written request of a faculty member and subject to the concurrence of the appropriate dean. ("Prior tenure credit" is defined as credit awarded to the faculty member at the time of appointment to a tenure-track position.)
- Limit for submitting requests.

A request for reduction in prior tenure credit will be considered only once for each faculty member. The request must be made during the first year of the tenure-eligible service at Penn State or prior to the completion of the fourth year, inclusive of prior credit, of tenure-eligible service, whichever occurs first.
 - Dean's approval.

The appropriate academic dean has the authority to approve a request for a reduction of prior tenure credit as outlined in this policy. The dean may not rescind more years of service than requested by the faculty member. The dean shall be sent directly to the academic dean via the Dean of Academic Instruction for Commonwealth Campuses.
 - The department head discusses the request with the dean of the college. In the case of a faculty member assigned to Commonwealth Campuses, the Associate Dean for Academic Instruction for Commonwealth Campuses discusses the request with the campus director, and sends to the department head the request together with the dean's recommendations.
 - If the dean concurs with the request, the dean prepares and sends to the Office of Personnel Administration instructions for the reduction of prior tenure credit. In the case of a faculty member assigned to a Commonwealth Campus, the dean and the Dean of Academic Instruction for Commonwealth Campuses shall concur with the request before the dean sends instructions to the Office of Personnel Administration for the reduction of prior tenure credit.

University Park Calendar

FALL TERM 1980

Thursday, Sept. 4

Registration for Fall Term, 8 a.m.-5:30 p.m., IM Bldg.

Preregistration for Winter Term, Room 112 Shields, through Sept. 29.

Continuing Education, registration, noon-8 p.m., Room 101 Kern. English and math placement exams, 6:30 p.m., Keller Bldg. HUB Craft Center registration, noon-5 p.m., Room 312 HUB, through Sept. 13.

Friday, Sept. 5

Registration for Fall Term, 8 a.m.-5:30 p.m., IM Bldg.

Continuing Education registration, 9 a.m.-5 p.m., Room 101 Kern.

Commonsplace Theatre, *Women in Love*, 6:30 and 9 p.m., Room 112 Kern.

Cinematheque, *Bedtime for Bonzo*, 7 and 9 p.m., HUB Assembly Hall.

Saturday, Sept. 6

Sports: football vs. Colgate, 1:30 p.m.

France-Cinema, Bertolucci, *Luna*, 7 and 9 p.m., Room 112 Kern.

Robeson Cultural Center film, *Cooley High*, 8 p.m., Walnut Bldg.

Sunday, Sept. 7

Commonsplace Theatre, *Women in Love*, 6:30 and 9 p.m., Room 112 Kern.

Robeson Cultural Center, Gerry Lloyd Choir, "Evening in Song," 8 p.m., Walnut Bldg.

France-Cinema, Truffaut, *The Green Room*, 7 and 9 p.m., Room 112 Kern.

GSA film, *Lawrence of Arabia*, 8 p.m., Room 10 Sparks.

Sunday, Sept. 14

HUB Craft Center classes begin.

Opening reception for Roy Vollmer exhibit, 5 p.m., Kern Lobby.

Commonsplace Theatre, *The Tuning of the Strings*, 7 and 9 p.m., Room 112 Kern.

GSA film, *Lawrence of Arabia*, 8 p.m., Room 10 Sparks.

Artists Series, John Browning, pianist, 8:30 p.m., Eisenhower Auditorium.

Week of Sept. 15

Monday, Sept. 15

France-Cinema, *The Green Room*, 7 and 9 p.m., Room 112 Kern.

Color Slide Club meeting, 7:30 p.m., Room 189 MRL.

Tuesday, Sept. 16

Gallery Talk, 10:30 a.m., Museum of Art.

Richard Porter, registrar of exhibitions, discusses the Sidney Goodman exhibit.

Comp. Lit. Film Series, Fellini, *Orchestra Rehearsal*, 7 and 9 p.m., Room 112 Kern.

Wednesday, Sept. 17

Late registration deadline.

Add deadline. Black Film Series, *Nothing But a Man*, 7:30 p.m., Robeson Center.

College of Science Chemerda Lecture, 8 p.m., Room 333 Whitmore. Arthur Schawlow, Stanford Univ., on "Laser Spectroscopy."

Also Sept. 18, 19 and 22 at 2 p.m.

Aldo String Quartet Concert, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, Sept. 18

Board of Trustees meeting, Keller Bldg. Campus Colleagues meeting, 4:30-6:30 p.m.

Alumni Lounge, Old Main. Kay Moore on "The Status of Women in Academe."

GSA film, *Bird Man of Alcatraz*, 6:30 and 9 p.m., Room 10 Sparks.

Cinematheque, *Once Upon a Time in the West*, 7 and 9 p.m., HUB Assembly Hall.

URTC, Eugene O'Neill, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre. Also Sept. 19-20, 23-27 and 30 and Oct. 4.

Friday, Sept. 19

Board of Trustees meeting, Keller Bldg.

GSA film, *Bird Man of Alcatraz*, 6:30 and 9 p.m., Room 10 Sparks.

Commonsplace Theatre, *Casablanca*, 7 p.m.; *Play It Again Sam*, 9 p.m., Room 112 Kern.

Saturday, Sept. 20

France-Cinema, Comencini, *Till Marriage Do Us Part*, 7 and 9 p.m., Room 112 Kern.

GSA film, *Casablanca*, 7 and 9 p.m., Room 10 Sparks.

Sunday, Sept. 21

Commonsplace Theatre, *Casablanca*, 7 p.m.; *Play It Again Sam*, 9 p.m., Room 112 Kern.

Artists Series, Waylon Jennings, 7:30 p.m., Rec. Hall.

Week of Sept. 22

Monday, Sept. 22

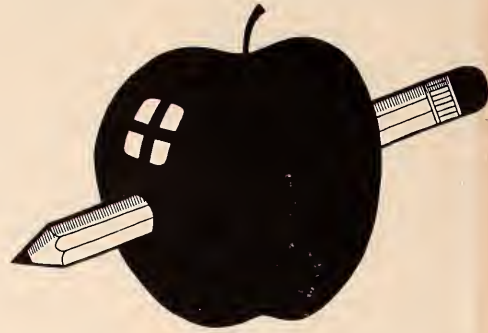
Deadline for Winter and Spring Term 1981. IAHS research grant applications, 5 p.m., Illiess Cottage.

France-Cinema, *Till Marriage Do Us Part*, 7 and 9 p.m., Room 112 Kern.

Art History Lecture, 7:30 p.m., HUB Assembly Hall. Gerald Eager, Bucknell Univ., on "Form and Symbol in Renaissance and Modern Art: Dani Karavan's Environment at Prato."

Tuesday, Sept. 23

Comp. Lit. Film Series, *Women*, 7 and 9 p.m., Room 112 Kern.



Wednesday, Sept. 24

Black Film Series, *Learning Tree*, 7:30 p.m., Robeson Center.

IAHS, John Wurtman, Univ. of Illinois, piano, and Robert Trehy, baritone, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, Sept. 25

Pass-Fail. Cinematheque, *The Charge of the Light Brigade* (1968), 7 and 9 p.m., HUB Assembly Hall.

Friday, Sept. 26

Pass-Fail. Commonsplace Theatre, *The Hustler*, 6:30 and 9 p.m., Room 112 Kern.

GSA film, *Three Days of the Condor*, 7 and 9 p.m., Room 10 Sparks.

Thank You, Fred Waring program, with Mr. Waring and the Young Pennsylvanians, 8 p.m., Eisenhower Auditorium.

Saturday, Sept. 27

Horst Show, "Horticulture Yesterday's Seeds Growing Today," 10 a.m.-9 p.m., Flower Gardens.

Sports: football vs. Nebraska, 1:30 p.m.

France-Cinema, Serreau, *Pourquoi Pas?* 7 and 9 p.m., Room 112 Kern.

GSA film, *Three Days of the Condor*, 7 and 9 p.m., Room 10 Sparks.

Sunday, Sept. 28

Horst Show, 10 a.m.-4 p.m., Flower Gardens.

Sale of exhibition material, 4 p.m.

Artists Series, *A Chance Line*, 3 and 8:30 p.m., Eisenhower Auditorium.

Commonsplace Theatre, *The Hustler*, 6:30 and 9 p.m., Room 112 Kern.

GSA film, *Three Days of the Condor*, 7 and 9 p.m., Room 10 Sparks.

Week of Sept. 29

Monday, Sept. 29

Drop deadline.

Preregistration deadline for Winter Term. Pass-Fail.

Course repeat deadline.

France-Cinema, *Pourquoi Pas?* 7 and 9 p.m., Room 112 Kern.

Tuesday, Sept. 30

Comp. Lit. Film Series, Antonioni, *Blow Up*, 7 and 9 p.m., Room 112 Kern.

Faculty Women's Club Fall Reception, 7:30-9:30 p.m., Kern Bldg.

Artists Series film, Bolshoi Ballet, *Swan Lake*, 8 p.m., Eisenhower Auditorium.

Wednesday, Oct. 1

Black Film Series, *Story of a 3-Day Pass*, 7:30 p.m., Robeson Center.

Musica da Camera, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, Oct. 2

Cinematheque, *Mean Streets*, 7 and 9 p.m., HUB Assembly Hall.

Robeson Cultural Center, "Focus on Southern Africa," 8 p.m., Walnut Bldg.

Friday, Oct. 3

GSA film, *Bridge on the River Kwai*, 6 and 9 p.m., Room 10 Sparks.

Artists Series, The Long Wharf Theatre, *Private Lives*, 8:30 p.m., Eisenhower Auditorium.

Saturday, Oct. 4

GSA film, *Bridge on the River Kwai*, 6 and 9 p.m., Room 10 Sparks.

Artists Series, The Long Wharf Theatre, *The Lion in Winter*, 8:30 p.m., Eisenhower Auditorium.

Sunday, Oct. 5

HUB Craft Center registration for second session classes, noon-5 p.m., Room 312 HUB, through Oct. 13.

GSA film, *Bridge on the River Kwai*, 6 and 9 p.m., Room 10 Sparks.

Week of Oct. 6

Monday, Oct. 6

Interdisciplinary Symposium on Value, 8 p.m., Room 101 Kern. Donald P. Verene, philosophy, speaker.

June Miller, organ, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, Oct. 7

University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

English Colloquy, 8 p.m., Room 111 Forum. Denise Levettov reads her poetry.

Wednesday, Oct. 8

STS/TCO, luncheon, noon; presentation, 12:20 p.m., Room 101 Kern. Marlowe Froke, continuing education, on "Higher Education as a Technologically Handicapped Institution."

Black Film Series, selected shorts and Oliver Franklin, Afro-American Historical and Cultural Museum, on "Black American Film," 7:30 p.m., Robeson Center.

Thursday, Oct. 9

GSA film, *Mutiny on the Bounty*, 6 and 9 p.m., Room 10 Sparks.

Cinemateque, Mahler, 7 and 9 p.m., HUB Assembly Hall.

Friday, Oct. 10

Fixed date for meetings involving Commonwealth Campus faculty.
GSA film, *Mutiny on the Bounty*, 6 and 9 p.m., Room 10 Sparks.
American Studies/IAHS film, 1968, 8 p.m., Room 115 EE West.
Artists Series: Pittsburgh Chamber Orchestra, 8:30 p.m., Eisenhower Auditorium.

Saturday, Oct. 11

Fixed date for meetings involving Commonwealth Campus faculty.
Artists Series: Pittsburgh Chamber Orchestra, 10:30 a.m. (youth concert); 8:30 p.m., Eisenhower Auditorium.
GSA film, *The Caine Mutiny*, 7 and 9 p.m., Room 10 Sparks.

Sunday, Oct. 12

GSA film, *The Caine Mutiny*, 7 and 9 p.m., Room 10 Sparks.

Week of Oct. 13

Monday, Oct. 13

Black Studies Symposium, "South Africa in Southern Africa," 9 a.m.-4:30 p.m., HUB North Lounge.
GSA film, Robert, *The Tall Blonde Man*, 7 and 9 p.m., Room 112 Kern.
HUB Craft Center Open House, 7:30-9:30 p.m., Room 312 HUB.
Black Studies Lecture, 8 p.m., Forum. Richard M. Moose, Asst. Secty. of State for African Affairs, on "The Carter Administration in Southern Africa."
Raymond Brown, bass baritone, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, Oct. 14

Black Studies Symposium, "South Africa in Southern Africa," 9 a.m.-4 p.m., HUB North Lounge.
Gallery Talk, 10:30 a.m., Museum of Art, Carl Dauterman, curator emeritus, The Metropolitan Museum of Art, on "The Rebellious Rocco."
IAHS, former U.S. Senator Eugene McCarthy reads poetry, 3:30 p.m., HUB Assembly Hall.
Comp. Lit. Film Series, *Tent of Miracles*, 6:30 and 8:45 p.m., Room 112 Kern.
Artists Series film, Bolshoi Ballet, *The Little Humphreys*, 8 p.m., Eisenhower Auditorium.

Wednesday, Oct. 15

IAHS Lecture, 11:10 a.m., Room 105 Ferguson. Former U.S. Senator Eugene McCarthy discusses the 1960s.
Black Film Series, *Superfly*, 7:30 p.m., Robeson Center.
IAHS/Graduate School/History Dept. Lecture, 8 p.m., Room 112 Kern. Frank Friedel, Charles Warren Professor of American History, Harvard, on "Franklin Roosevelt and the Qualities Needed for Presidential Greatness."
Steven Smith, piano, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, Oct. 16

Cinemateque, *The Last Picture Show*, 7 and 9 p.m., HUB Assembly Hall.

Friday, Oct. 17

Homecoming Parade, 5:45 p.m.
Commonsplace Theatre, *Once Upon a Time in the West*, 6 and 9 p.m., Room 112 Kern.
GSA films, *The Time Machine*, 7 p.m.; *War of the Worlds*, 9 p.m., Room 10 Sparks.

Saturday, Oct. 18

Sports: football vs. Syracuse (Homecoming), 1:30 p.m.
France-Cinema, Wertmüller, *All Screwed Up*, 7 and 9 p.m., Room 112 Kern.
GSA films, *The Time Machine*, 7 p.m.; *War of the Worlds*, 9 p.m., Room 10 Sparks.
University Glee Club, Bruce Trinkley, director, Homecoming Concert, 7:30 p.m., Schwab.

Sunday, Oct. 19

Commonsplace Theatre, *Once Upon a Time in the West*, 6 and 9 p.m., Room 112 Kern.
GSA films, *The Time Machine*, 7 p.m.; *War of the Worlds*, 9 p.m., Room 10 Sparks.
HUB Series, *The Elephant Man*, 8:30 p.m., Eisenhower Auditorium.

Week of Oct. 20

Monday, Oct. 20

Deadline to submit reserve reading lists for Winter Term, Reserve Reading Room, W11 Pattee.
France-Cinema, *All Screwed Up*, 7 and 9 p.m., Room 112 Kern.
Color Slide Club meeting, 7:30 p.m., Room 189 MRL.

Tuesday, Oct. 21

Comp. Lit. Film Series, Bergman, *Shame*, 7 and 9 p.m., Room 112 Kern.

Wednesday, Oct. 22

Black Film Series, *Shaff*, 7:30 p.m., Robeson Center.
History Dept./IAHS Lecture, 8 p.m., Room 112 Kern. Robert K. Murray, history, on "The Ranking of Modern Presidents."

Thursday, Oct. 23

Fixed date for meetings involving Commonwealth Campus faculty.
Cinemateque, *The Parallax View*, 7 and 9 p.m., HUB Assembly Hall.
French Dept., Compagnie Bernard Uzan, Boston, in Voltaire's *Candide*, 7:30 p.m., Schwab.

Friday, Oct. 24

Fixed date for meetings involving Commonwealth Campus faculty.
Commonsplace Theatre, *Lord Jim*, 6:30 and 9 p.m., Room 112 Kern.
GSA film, *All Above Eve*, 6:30 and 9 p.m., Room 10 Sparks.
University Symphony Orchestra, Douglas Miller, conductor, 8:30 p.m., Eisenhower Auditorium.

Saturday, Oct. 25

Fixed date for meetings involving Commonwealth Campus faculty.
GSA film, *All About Eve*, 6:30 and 9 p.m., Room 10 Sparks.
Artists Series, Goldovsky Grand Opera Theatre, *The Barber of Seville*, 8:30 p.m., Eisenhower Auditorium.

Sunday, Oct. 26

Commonsplace Theatre, *Lord Jim*, 6:30 and 9 p.m., Room 112 Kern.
GSA film, *The Seventh Seal*, 7 and 9 p.m., Room 10 Sparks.

Week of Oct. 27

Monday, Oct. 27

First day to sign Winter Term NDLS and University Long Term Loans, Room 108 Shields.
STS/TC/D, luncheon, noon; presentation: 12:20 p.m., Room 101 Kern. George W. Brindley, mineral sciences emeritus, on "Some Observations on Contrasting Systems of Education."

France-Cinema, Bergman, *The Seventh Seal*, 7 and 9 p.m., Room 112 Kern.

Tuesday, Oct. 28

Red Cross Bloodmobile, 9 a.m.-5 p.m., Robeson Center.
Comp. Lit. Film Series, Pontecorvo, *Battle of Algiers*, 6:30 and 8:45 p.m., Room 112 Kern.

Wednesday, Oct. 29

Red Cross Bloodmobile, 9 a.m.-5 p.m., Robeson Center.
Black Film Series, *For Love of Thy*, 7:30 p.m., Robeson Center.

Thursday, Oct. 30

Cinemateque, *The Abominable Dr. Phibes*, 7 and 9 p.m., HUB Assembly Hall.
URTC, Gelbart, adapted from Volpone, Sly Fox, 8 p.m., The Playhouse. Also Oct. 31-Nov. 1, Nov. 4-8 and 11-15.

Paul Robeson Scholar Series, 8 p.m., Walnut Bldg. Jacqueline Jackson, medical sociology, Duke Univ., speaker.
Penn State Thespians, Camden and Green, *Bells Are Ringing*, 8 p.m., Schwab.
English Colloquium, 8 p.m., Room 101 Kern. Angus Burnett, novelist and IAHS visitor, reads from her works.

Friday, Oct. 31

Last day to sign Fall Term NDLS and University Long Term Loans, Room 108 Shields.
GSA, Halloween Party, 6 p.m., Kern Lobby.

Commonsplace Theatre, *Wait Until Dark*, 7 and 9 p.m., Room 112 Kern.
Penn State Thespians, *Bells Are Ringing*, 8 p.m., Schwab.

Saturday, Nov. 1

Sports: football vs. Miami, Fla., 1:30 p.m.
France-Cinema, Sautet, *A Simple Story*, 7 and 9 p.m., Room 112 Kern.
GSA film, *The Parallax View*, 7 and 9 p.m., Room 10 Sparks.

Penn State Blue Band, Ned Deihl, conductor. Blue Bandstand, with jazz, symphonic and marching bands: majorettes, flags, 8 p.m., Eisenhower Auditorium.
Penn State Thespians, *Bells Are Ringing*, 8 p.m., Schwab.

Sunday, Nov. 2

Commonsplace Theatre, *Wait Until Dark*, 7 and 9 p.m., Room 112 Kern.
GSA film, *The Parallax View*, 7 and 9 p.m., Room 10 Sparks.

Week of Nov. 3

Monday, Nov. 3

Late drop deadline.
France-Cinema, *A Simple Story*, 7 and 9 p.m., Room 112 Kern.
Black Studies film, *Xala*, 7:30 p.m., Robeson Center.
Suzanne Roy, soprano, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, Nov. 4

Comp. Lit. Film Series, Zetterling, *The Girls*, 7 and 9 p.m., Room 112 Kern.
Artists Series film, Bolshoi Ballet, Anna Karenina, 8 p.m., Eisenhower Auditorium.

Wednesday, Nov. 5

Black Film Series, *Gone Are the Days*, 7:30 p.m., Robeson Center.

Thursday, Nov. 6

Board of Trustees meeting, Keller Bldg.
Cinemateque, *Despair*, 7 and 9 p.m., HUB Assembly Hall.

Friday, Nov. 7

Board of Trustees meeting, Keller Bldg.
GSA film, *Ryans Daughter*, 6 and 9 p.m., Room 10 Sparks.
Commonsplace Theatre, *Moby Dick*, 7 and 9 p.m., Room 112 Kern.
Artists Series, Ossie Davis and Ruby Dee in *Inside/Out*, 8:30 p.m., Schwab.

Saturday, Nov. 8

Sports: football vs. North Carolina State, 1:30 p.m.
GSA film, *Ryans Daughter*, 6 and 9 p.m., Room 10 Sparks.
France-Cinema, Varda, *Le Bonheur*, 7 and 9 p.m., Room 112 Kern.

Sunday, Nov. 9

Commonsplace Theatre, *Moby Dick*, 7 and 9 p.m., Room 112 Kern.

Week of Nov. 10

Monday, Nov. 10

France-Cinema, *Le Bonheur*, 7 and 9 p.m., Room 112 Kern.

Tuesday, Nov. 11

University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.
Comp. Lit. Film Series, Bertolucci, *The Spider's Stratagem*, 7 and 9 p.m., Room 112 Kern.

Wednesday, Nov. 12

STS/TC/D, luncheon, noon; presentation, 12:20 p.m., Room 101 Kern. Paul Welliver, education, on "Technology and Education: Products and Processes."
Artists Series, Minnesota Orchestra, 8:30 p.m., Eisenhower Auditorium.

Friday, Nov. 14

Last day to sign Fall Term Emergency Loans, Room 108 Shields.
Commonsplace Theatre, *Man of La Mancha*, 7 and 9 p.m., Room 112 Kern.
GSA film, *The Magus*, 7 and 9 p.m., Room 10 Sparks.

Saturday, Nov. 15

Fall Term classes end, 12:25 p.m.
Commonsplace Theatre, *King of Hearts*, 7 and 9 p.m., Room 112 Kern.
GSA film, *The Magus*, 7 and 9 p.m., Room 10 Sparks.

Sunday, Nov. 16

Commonsplace Theatre, *King of Hearts*, 7 and 9 p.m., Room 112 Kern.
GSA film, *Man of La Mancha*, 7 and 9 p.m., Room 10 Sparks.

Week of Nov. 17

Monday, Nov. 17

Final examinations, through Nov. 21.
Commonsplace Theatre, *King of Hearts*, 7 and 9 p.m., Room 112 Kern.
Color Slide Club meeting, 7:30 p.m., Room 189 MRL.

Week of Nov. 24

Monday, Nov. 24

Fixed date for meetings involving Commonwealth Campus faculty.

Tuesday, Nov. 25

Fixed date for meetings involving Commonwealth Campus faculty.
Gallery Talk, 10:30 a.m., Museum of Art, Larry Salmon, curator of textiles, Museum of Fine Arts, Boston, speaker.

Thursday, Nov. 27

Thanksgiving Day, University offices closed.

Friday, Nov. 28

Sports: football vs. Pittsburgh, 1:10 p.m.

Saturday, Nov. 29

Fall Term Commencement, 10:30 a.m., Rec. Hall.

Exhibits

Kern Gallery

Gallery hours: Monday-Saturday, 7:30-11 p.m.; Sunday, noon-11 p.m.
Alfred Charley, bronze sculpture, through Sept. 26.
Roy Vollmer, architect, Sept. 15-Oct. 3.
Collegian, photography, Sept. 30-Oct. 22.
Jean Giddings, weavings, Oct. 4-15.
Jeff Mathison, drawings, Oct. 4-22.
Ann Hettmanston and Cora E. Lucas, ceramics and poetry, Oct. 17-31.
Group exhibit, "First of Ten," Oct. 26-Nov. 21.
Ann Deering, ceramics, Nov. 4-20.
David Weiland, wood boxes, Nov. 6-21.

Museum of Art

Museum hours: noon-5 p.m., daily. Closed Mondays. Museum tours, Sundays at 1:30 p.m.
Highlights from the permanent collection, through Oct. 5.

Sidney Goodman, paintings, drawings and graphics, 1959-1978, through Oct. 12.
European paintings from the permanent collection, Oct. 12-Dec. 23.
Contemporary prints from the permanent collection, Oct. 18-Dec. 14.
The Art of the Needle, Oct. 23-Dec. 21.
18th-20th century American works from the permanent collection, Oct. 26-Jan. 11.

Pattee Library

East Corridor Gallery
Founding - University: The Pennsylvania State University's 125th Anniversary, Sept. 8-Oct. 31.
Marc LeVey, recent photography, Nov. 1-20.
Robert Sadin, recent prints, Nov. 20-Dec. 5.
Lending Series Lobby
Mary Strockowski, photographs of the Mid-East, Sept. 8-22.

Main Lobby

Denise Aniew, handbuilt pottery, Sept. 8-29.
Rare Books Room
Grimm's Fairy Tales in English, from the Allison-Shelly Collection, through Sept. 15.

Paul Robeson Cultural Center

Gallery hours: 9 a.m.-10 p.m., daily.
The Frederick Douglass Years, Sept. 6-Oct. 5.
J.T. Harris, paintings, Oct. 15-Nov. 10.
Visual Arts Bldg. Zoller Gallery
Gallery hours: 9 a.m.-5 p.m., Monday through Friday. Saturdays and Sundays, noon-3 p.m.
Herbert Kaufman, drawings and preparatory sketches for frescoes, Sept. 9-28.
School of Visual Arts Faculty exhibition, Oct. 2-18.
Jackie Battenfield, fiber exhibition, Oct. 26-Nov. 13.

One-way traffic for football games

University safety officials have announced plans for the handling of traffic for the Nittany Lions' home football opener against Colgate Saturday, Sept. 6.

One-way traffic patterns, to be in effect from 10 a.m. until 1:30 p.m., will affect four major thoroughfares:

- Porter Road will be one-way from Benner Pike to Curtin Road.
- University Drive from South Atherton Street to Curtin Road.
- Park Avenue from North Atherton to University Drive.
- Park Road from Bigler Road to the University maintenance building.

The one-way flow will reverse to handle post-game traffic.

In addition, Curtin Road from Shortridge Road to Porter Road will become a pedestrian corridor from 10 a.m. until game time, and again after the game. During the game, the pedestrian corridor will be maintained from University Drive to Porter Road.

The addition of some 6,000 new seats to Beaver Stadium is not expected to cause serious traffic problems, according to David E. Stornier, University Safety director.

Police will monitor and broadcast emergency traffic information on CB radio Channel 15 before and after the football game.

Pattee's hours

Saturday hours for Pattee Library during Fall Term will be from 7:45 a.m. to 5 p.m., instead of 4 p.m. as reported in the Aug. 21 INTERCOM.

Sunday 'Quarterbacks'

Football fans will be hearing Joe Paterno's commentary on Sundays this season, as "TV Quarterbacks" moves from its former Wednesday evening slot.

WPSX-TV, Channel 3, will air the series, beginning Sept. 7, at 10 p.m.

The series will also have a new look, featuring exclusive game highlights and on-campus interviews with players, as well as the familiar question and answer session responding to viewers' letters. In addition, the program will expand its focus to cover some of the broad concerns of college football and intercollegiate athletics, reflecting Joe Paterno's new role as director of athletics.

Fraser Fisher and Jim Tarmann will continue as hosts of the program.

URTC to offer five plays in series

Contemporary comedy and classic drama will be the theatrical fare when the Penn State University Resident Theatre Company presents its 1980-81 season. Sponsored by the College of Arts and Architecture and the Department of Theatre and Film, URTC is composed of professional theatre artists-in-residence, professional faculty, and theatre students.

The season will open with Eugene O'Neill's warmhearted comedy, *Ah, Wilderness!* Held over from Festival Theatre's acclaimed production, *Ah, Wilderness!* is a delightful recollection of family life in turn-of-the-century America. This production re-unites director James W. Assad with Equity performers Walter Atamanuk, Stephen D. Keener, Julia Curry, and Penn State graduate Dan Fox, all of whom worked on the summer's production. *Ah, Wilderness!*, a play that in the words of URTC producer Douglas N. Cook, "bears repeating," runs in the Pavilion Theatre from Sept. 18-Oct. 4.

Sly Fox, Larry Gelbart's liberal adaptation of Ben Jonson's comedy, *Volpone*, is URTC's second presentation. Set in San Francisco after the gold rush, *Sly Fox* centers around Foxwell J. Sly's plan to con three tight-fisted misers.

The production is scheduled Oct. 30-Nov. 15, in the Playhouse.

William Shakespeare's *Macbeth*, URTC's play for Winter Term production, will run in The Playhouse Feb. 5-21. Another masterpiece, Anton Chekhov's *The Cherry Orchard*, will appear in the Pavilion Theatre March 19-April 4.

Closing the season is Paul Giovanni's hit of the 1979 Broadway season, *The Crucifer of Blood*. The game is afoot when Sherlock Holmes and Dr. Watson seek a solution to the diabolical cause of the Ag. Treasure. Director for the URTC production is William James Kelly, who most recently directed last season's *The Taming of the Shrew* and Festival Theatre's *The Good Doctor*. Show dates are April 30-May 16 in The Playhouse.

Subscription plans that offer five shows for the price of four and allow patrons who have already seen *Ah, Wilderness!* to purchase a four-show series, are currently available through the URTC box office. Single tickets are also available. For reservations and information call 814-865-1884 from 11:30 a.m. to 6 p.m. Mondays through Saturdays. For a URTC brochure, or to order tickets by mail, write to Room 137 Arts Building, University Park, PA.

Dickason

(Continued from page 1)

"The people on the other end feel they have someone whom they know and to whom they can turn," Dean Dickason continues. "Instead of being specialists, our people are now Admissions 'generalists.' Naturally, a change such as this takes time to put into effect because we are asking people who were employed to do certain things to add new responsibilities. But the staff has been great — both in responding to change and in suggesting improvements in current activities."

"We expect the new regionalized organization to improve University Park, Commonwealth Campus and Behrend admissions relations. In the past year we have had at least three meetings in the three Pennsylvania regions, each of which includes six Campuses. The six Campus Admissions Offices and the University Park Admissions people assigned to the region are becoming one solid team."

During the coming academic year, the Admissions Office plans to contact more prospective students and to make more contacts per person. So far mailings have been sent to some 125,000 Pennsylvania and out-of-state about-to-be seniors, inviting them to spend a summer day at Penn State, either at University Park or one of the campuses.

"Students' names are purchased, with their permission, from the College Board," Dean Dickason explains. "Our total direct mail contacts this year will probably end up being about 150,000, compared to 90,000 last year."

"We have programmed the possibility of contacting students on a regular basis up to six times between when they are first identified and enroll. In the past, we've had a lot of gaps. A student would apply early and not hear anything for quite some time. He or she just sat out there with no tender loving care and attention."

"Now I don't think there is any way that we in Admissions can assume the financial burden involved in making all of these contacts. But we are working with the Colleges and Campuses to find the most effective combination of contacts to

employ."

A much broader planning effort was undertaken for this year's Penn State Scholars program, and more faculty participation was encouraged. "The net result was we got outstanding vibrations," Dean Dickason says. "We all came out of the week exhausted but flying. This was the largest group we ever had, something over 800, and they were essentially the best students in about 80 percent of Pennsylvania's high schools, with another 125 to 150 coming from out-of-state."

A major element in future planning will be new types of computer support for recruiting. In progress is what Dean Dickason refers to as a "candidate information management system" — a tracking system sophisticated enough for Admissions staff to be able to avoid duplicating literature sent to students and to know in which Campuses they are interested. The 125,000 names purchased from the College Boards have been put into this information management system and sorted roughly according to academic achievement so mailings can be differentiated.

Another type of planned computer support will allow Admissions to generate faster turnaround of applications — a project which has one of Dean Dickason's highest priorities.

"Admissions offices in all schools are always faced with a crunch when the wave of admissions applications is received," he says. "Last year, we had a five- or six-week backlog at what I call the 'front door.' Once we get students into the system, we have considerable flexibility in handling them; but until we get them in, they're just a stack of paper on the shelf waiting to be entered."

"This year, the Admissions Office intends to adopt a system of 'staged admissions'" — as opposed to "rolling admissions" — when students are admitted all the time or "common dated admissions," when everyone is admitted on a set date.

"What we're saying to the students," Dean Dickason explains, "is that if they apply with completed credentials by Nov. 1, we're going to give them a response by mid-December. If they apply by Dec. 1,

they'll get their response in mid-January; by Jan. 1, mid-February. After Feb. 1, we'll get to them as soon as we can, probably in about six weeks. The advantage of this system is that it gives us the capacity to handle students' alternate choices more quickly. If they apply to University Park and are not selected and their other campus choice is York, we will get their names to York at once instead of waiting until January or February."

"Once we get the students into the application system, we will sort out the high ability candidates and give the deans of the colleges their names so they can begin to communicate with them early on."

Another Admissions Office priority is publications review. "We are talking to a number of outside consultants as well as to the University Publications and Public Information Offices," Dean Dickason explains. "At the present time, the University's admissions publications aren't as integrated as I would like. I think we have something like 205 separate pieces of material that can be sent to students, and they don't look like they come from the same institution. We will also be shifting our message from telling students how wonderful Penn State is — every school can do that — to asking them what their needs are and telling them quite specifically and forcefully what the University can do for them. And we hope to have a stronger new book, possibly in 1981-82."

A strong third priority is the increasing of minority enrollments, and Dean Dickason and his staff are working on several strategies to try to improve the situation in this area.

"In recent years, about 6.5 percent of college-bound high school graduates in Pennsylvania have been black students," Dean Dickason points out. "In 1977, 2.8 percent of our new freshmen enrollment were black students. In 1978, 3.0 percent; and this year it is estimated to be 3.4 percent (about 380 students). There is much that can and should be done to bring those numbers and percentages up."

What does Dean Dickason see ahead in terms of Penn State enrollments?

"A Perspective on the '80s emphasizes

two factors — the number of 18-year-olds and the college participation rate," he observes. "I would add two other factors — the non-traditional student and how well we do our job in Admissions."

"I'm not one of those people who thinks that the non-traditional student is going to save anybody's enrollment. It takes three or four non-traditional students to replace each full-time, regular traditional student. Penn State, however, is probably better positioned to take advantage of whatever non-traditional market there is than any other school I know because of our Commonwealth Campus system."

Attracting non-traditional students may dampen the enrollment decline; but it won't erase it, no matter how well we do.

"As for our role in Admissions, I believe that there are a finite number of prospects out there, and it is our job to identify who they are and to ensure that we have adequate means of communicating with them. It's our responsibility to design a proper process by which every eligible prospect in the state of Pennsylvania has sufficient information on which to base a consideration of Penn State. If there's one student out there that would be eligible for us and hasn't had the opportunity to consider us, then we haven't been good enough."

"We do not intend to tell students they are educationally damned if they don't come to Penn State, but we do intend to tell them they are cheating themselves if they do not consider Penn State. From there on I am convinced Penn State can do a good job of selling itself, with our help of course."

"But I would be the first one to say publicly that there is no way that any faculty or staff member should feel that Penn State is somehow immune to a 30 percent decline in the traditional 18-year-old population in Pennsylvania. We can dampen it, but we can't stop it."

"I do want to emphasize how truly impressed I have been during my first year at Penn State by the effort on the part of all the administrators and faculty members to whom I have spoken to make this a first class institution. My only reservation is that we may sometimes be too diffident in pronouncing our excellence."

Revised Guidelines

(Continued from page 5)

4. The Office of Personnel Administration prepares the revised Memorandum of Personal Service in accordance with the instructions from the dean and specifies on the revised memorandum that it supersedes the previously completed and signed memorandum.
5. The Office of Personnel Administration sends the revised

Memorandum of Personal Service to the appropriate dean for concurrence.

6. The dean distributes the revised Memorandum of Personal Service to the faculty member with a request that the original be signed and returned to the Office of Personnel

Administration via the office of the dean. In the case of a faculty member assigned to a Commonwealth Campus, the dean of the college sends it to the Dean of Academic Instruction for Commonwealth Campuses; who distributes the revised Memorandum of Personal Service to the faculty

member with a request that the original be signed and returned to the Office of Personnel Administration via the office of the dean of the college. A copy of the signed, revised memorandum is sent to the Dean of Academic Instruction for Commonwealth Campuses.

7. The Office of Personnel Administration, upon the receipt of the signed, revised Memorandum of Personal Service, takes steps to revise the faculty member's prior tenure credit as recorded in the master tenure file.

Penn State Intercom

President asks for recommendations on change from term calendar

President Oswald is asking students and faculty and staff members to submit to him by Dec. 1 their recommendations on a possible change from a term to a semester system in the University calendar.

Because of apparent disenchantment with the current four-term calendar, such a change is being considered, Dr. Oswald told the Faculty Senate at a meeting Tuesday.

"At this point, I am inclined to conclude that Penn State should return to a semester calendar, specifically the early semester plan which aims to complete all instructional activities and exams in the fall term prior to the December holidays," he said.

"Based on discussions with the Faculty Advisory Committee, the Council of Academic Deans and other groups, I am further persuaded that broad support exists for conversion to an early semester calendar for academic and pedagogical reasons."

However, Dr. Oswald added, while the calendar change was being seriously considered, the final decision was by no means certain. He said several major issues have been identified — among them, teaching loads, availability of laboratory and large classroom space, faculty research and conversion of courses — that will influence the ultimate decision.

For that reason, Dr. Oswald said, he was urging faculty, administrative and student groups to give the matter serious attention and to submit their input to him. The

Faculty Senate, the Council of Deans and the University Council, in particular, have been asked to study the proposed change.

If sufficient support for the change is found to exist among faculty and student groups, the conversion probably would be made during the summer of 1984. Dr. Oswald said he hoped to make a final decision in February.

"We should recognize at the outset that, because of the great amount of detailed planning which would be necessary, no change could take place in any case for two to three years," he said.

Penn State converted from a traditional semester calendar to the four-term calendar in 1961, primarily as a way to serve increasing numbers of students through expanded year-round use of facilities. When the calendar conversion was announced, students expressed strong objections to the shift.

The new term calendar established the 75-minute class three times a week and the semester credit as the basic unit of academic progress. However, it did not specifically increase summer enrollment to accomplish the hoped-for improved use of resources and facilities, Dr. Oswald said. Most regularly enrolled students did not attend the summer term.

In 1970 two questions emerged about the term calendar. Some faculty members began to question whether it best served the academic purposes of the University, and student groups complained that it placed Penn State students at a

disadvantage in the search for summer employment, since it was at odds with the calendars of most other public institutions in the Commonwealth.

"With valuable assistance from the University Council, the calendar was reviewed and, in 1972, the term calendar was modified to be more consistent with those of other institutions in Pennsylvania," Dr. Oswald said.

"The change enhanced opportunities for Penn State students to obtain summer jobs. Unfortunately, the revised calendar created a split winter term which causes concern among a number of constituents within the University."

The modified calendar was re-examined by a commission appointed in the fall of 1973. After two years of extensive study, the commission presented a divided recommendation, with a bare majority coming out in favor of conversion to a semester calendar, while a significant minority recommended further modifications to the term calendar.

Students, at that time, strongly opposed the change to a semester calendar and in December, 1975, Dr. Oswald told the Senate that the term calendar would remain in effect until at least July, 1983.

"Since then, disenchantment with the current calendar appears to have grown," he said. "Criticism of the term calendar were commonplace during the discussions associated with the development of A Perspective on the '80s."

"In short, there are more and more

advocates of a semester calendar. In fact, a majority of the faculty now may favor a semester system."

As a result, Dr. Oswald said, he was urging appropriate student and faculty groups and committees to discuss the possible change.

"After discussions with various groups such as the Faculty Advisory Committee and the Council of Academic Deans, and with their concurrence, I have decided that the best approach for a full and complete consideration of any calendar change would be to urge all interested individuals at Penn State to consider and discuss widely the prospect of a calendar conversion," Dr. Oswald said.

It is not unusual for American colleges and universities to reexamine their academic calendars periodically, Dr. Oswald noted. During the past 10 years, an average of more than 200 institutions have changed calendars each year.

"While Penn State has not made a major calendar change in the past decade, we have modified the term calendar in significant ways and we have studied other calendars in depth," Dr. Oswald said.

Two years ago, the University conducted a brief study to determine whether escalating fuel costs had made a calendar change necessary. However, while that study projected some cost savings, they were not large enough to warrant changing the calendar for that reason alone.

News in Brief

UDIS to sponsor seminar on "Developing the Lecture"

The University Division of Instructional Services (UDIS) is sponsoring a seminar on Developing the Lecture from 1:30 to 4 p.m. on Thursday, Sept. 18, in Room 128 Mitchell Building.

The seminar will be conducted by Francis Dwyer, head of instructional improvement at UDIS.

The seminar is designed (1) to acquaint faculty members with current literature and research related to the lecture method, (2) to describe and illustrate some of the kinds of activities and experiences that can be developed in support of the lecture, (3) to identify locations throughout the University where these "developed experiences" may be provided to students, and (4) to illustrate the lecture behaviors of individuals from other institutions.

Specific topics to be covered include: Developing the Lecture, Advantages and Disadvantages of the Lecture, Motivating Learners, Content Management, Formal vs. Informal Lecture Method, and Developing Learning Activities.

Participants will have an opportunity to listen to an audiotaped presentation, to watch a slide/audiotaped presentation and to view television vignettes depicting lecture behaviors of faculty members from Harvard, Northwestern and San Jose universities. A bibliography related to lecturing and effective teaching, a list of suggested learning activities and a sample (developed) lecture format will be available.

The seminar is limited to 35 participants on a first-come basis. Reservations or information can be had by calling 863-0668.

Pennsylvania politics subject of special symposium

Pennsylvania Politics in the 20th Century: The Next Two Decades will be the subject of a special symposium at the University at 8 p.m. on Thursday, Sept. 18, in Kern Auditorium. Anyone with an interest in Pennsylvania history and politics is invited to attend the program, and members of the audience will be given a chance to join in the discussion with invited panelists.

The panelists will include former governors, cabinet officers, jurists, legislative leaders and experts from various fields in Pennsylvania studies. Among them will be former Governor Raymond P. Shafer, former Lieutenant Governor Ernest P. Kline, former State House Speaker K. Leroy Irvis and Judge Genevieve Blatt of the Commonwealth Court.

Paul Beers, associate editor of the Harrisburg Patriot-News, will moderate.

The symposium follows the publication earlier this year of Mr. Beers' latest book, *Pennsylvania Politics, Today and Yesterday: The Tolerable Accommodation*, by the Penn State Press.

The panelists will open with brief statements on one of two topics, followed by discussion. The topics are:

— What would be the one structural-organizational change in government you would like to see happen between now and the year 2000 to improve the way Pennsylvania is governed?

— What would be the one change in public policy direction you would like to see occur in the Commonwealth over the next two decades to improve the way Pennsylvanians will live in the year 2000?

The symposium is being sponsored by the School of Journalism, the Department

of Political Science, the Pennsylvania Studies Committee, the Institute for the Arts and Humanistic Studies and the Press.

Poet to offer reading

Donald Justice, winner of this year's Pulitzer Prize for poetry, will present a reading from his poems at the English Colloquium, which will be held at 8 p.m. on Thursday, Sept. 18, in Room 101 Kern Building.

Dr. Justice, a member of the faculty of the Writers Workshop at the University of Iowa, is the author of four books of poetry.

Co-holder of laser patent to give Chemerda lectures

The co-holder of the patent for laser development, Dr. Arthur L. Schawlow,

(Continued on page 4)



Norm Brown (front) and Michael Lippincott work overtime to keep Bookstore shelves stocked as Fall Term opens.

Penn Staters



Dr. Paul J. Wangness, professor of animal nutrition, has been appointed head of the Department of Dairy and Animal Science.

A member of the Penn State faculty since 1972, Dr. Wangness has directed research dealing with nutrition and metabolism in farm and laboratory animals. His experiments have explained body mechanisms, such as hormones, which control appetite and the rate and composition of tissue growth.

Dr. Wangness was selected as a "Helen and Wise Burroughs Lecturer" at Iowa State University in December 1979. Earlier he presented a key paper on maximum forage for dairy cows at the 1979 annual meeting of the American Dairy Science Association. He has served as chairman of the Northeastern States Regional Research Project on Forage Utilization in Ruminant Animals and was a member of the U.S. Department of Agriculture review team that evaluated research at land-grant universities.

A native of Madison, Wis., Dr. Wangness is a graduate of the University of Wisconsin. He has a Ph.D. from Iowa State in animal nutrition and physiology.

Nicholas A. Joukovsky, associate professor of English, is the recipient of a National Endowment for the Humanities fellowship to complete an edition of the correspondence of the nineteenth-century English writer, Thomas Love Peacock.

Two members of the chemistry faculty, Professor Harry R. Allcock and Professor Frederick W. Lampe, are the authors of a new book, *Contemporary Polymer Chemistry*, published by Prentice-Hall.

A complete overview of modern polymer chemistry, the text reviews the synthetic, kinetic, structural and applied aspects of the field, while approaching the subject at a level suitable for research or further study of specialized topics.

The book is divided into four sections: Synthesis and Reactions of Polymers; Thermochemistry and Kinetics of Polymerization; Physical Characterization of Polymers; and Fabrication, Testing, and Special Uses of Polymers.

At the recent national meetings of the Poultry Science Association, Dr. E.C. Buss, professor of poultry science, was appointed to a three-year term as an associate editor of the *Poultry Science Journal*. Dr. Kenneth Goodwin, professor and head of poultry science, was elected to a two-year term as a director of the Association.

While doing research in the United Kingdom, Dr. Emilia E. Martinez-Brawley, assistant professor of social welfare, was invited to conduct a seminar in Edinburgh for the Scottish Social Work Services Group of the Scottish Education Department. Her topic was "Services for Rural Communities."

Dr. W.O. Luciw, head of the University's Slavic Library program, has been named a Fellow of the Byelorussian Institute of Arts and Science.

Dr. Stuart Patton, Evan Pugh professor of agriculture, and Dr. Roger M. Herman, professor of physics, have been selected to receive Senior U.S. Scientist Awards from the Federal Republic of Germany's Alexander von Humboldt Foundation. The award allows U.S. scientists of international repute to live in Germany for an extended period of time and conduct research in fields of their own choosing. The award was created by the German government in 1972, and recipients are nominated by German scientists.

Dr. Patton is well known for his studies of the biochemistry of milk and the role of cholesterol and fatty materials in atherosclerosis. In 1975, he won the American Chemical Society's Award for Distinguished Achievement and Service in Agricultural and Food Chemistry. A 1943 graduate of Penn State, he holds M.S. and Ph.D. degrees in dairy science from Ohio State.

Following his retirement this fall from the Penn State faculty after 31 years of service, Dr. Patton will conduct research with the faculty of the School of Medicine at the University of California at San Diego. At the same time, he will continue research he has conducted for some time at the Scripps Institution of Oceanography.

Dr. Herman, whose research has been primarily in molecular physics, is a fellow of the American Physical Society.

In 1978 he was visiting professor of physics at the University of Guelph and in 1973 he was distinguished visiting professor at Memorial University of Newfoundland, both in Canada.

He has served on the American Physical Society's Committee on Education and was its chairman in 1977. In 1975 he was appointed to a post on the National Science Foundation Pre-College Curriculum Review Panel, which provides advice and evaluation to NSF on its programs at the pre-college level.

Dr. Herman holds a B.S. in engineering physics from Lehigh University and an M.S. and Ph.D. in physics from Yale. He has been a member of the faculty since 1964.

Dr. Z.T. Bieniawski, professor of mineral engineering, was one of 14 participants invited from this country to a symposium on mixed-mode fracture propagation held last month in Athens. At the symposium, which was sponsored jointly by the National Science Foundation and the Athens Technical University, Dr. Bieniawski presented a paper on "Rock Materials Under Mixed-Mode Fracture."

Daryl K. Heasley, associate professor of rural sociology, will be on leave to Aug. 30, 1981, as associate director of the Northeast Center for Rural Development at Cornell University. He will have responsibility for coordinating and carrying out extension educational programming in rural development throughout the 12 northeastern states.

Dr. Robert O. Herrmann, professor of agricultural economics, has been appointed to a three-year term with the Board on Agriculture and Renewable Resources. The Board is under the control of the Commission on Natural Resources, one of eight major units of the National Research Council. Its function is to identify national needs and promote activities in the broad areas of agriculture, land and water use, forestry, fisheries, aquaculture, wildlife, and rural development.

25-year chair

Ken Haney had always wanted to work at Penn State. "I hoped to be here 25 years," he remarked on his tenure. "Penn State's been good to me." And Mr. Haney, manager of General Stores, has been good to Penn State. He recently received his chair for 25-years of indispensable service at the University.

He's been a part of the University family since 1955, at which time he was employed as a lead electrician for the Ordnance



Research Laboratory, predecessor to the Applied Research Laboratory. In 1958 he was promoted to assistant project engineer in Physical Plant. In 1960 he transferred to the Power Plant as a utilities supervisor and in the late '60s worked in the stockroom of Physical Plant, which he organized for eventual computerization.

In his present job, Mr. Haney supervises the maintenance of stock levels, the storing of merchandise and the delivery routes of the merchandise. He also deals with the processing each year of thousands of requisitions for supplies from throughout the University system.

The Haney family affiliation with the University does not end with Mr. Haney's job. For 21 years in his spare time, Mr. Haney operated the scoreboard at Rec. Hall, meeting such "fantastic people" as Frank Gifford and the Harlem Globetrotters. He even played a part in the designing of the two scoreboards now used in the building. Mr. Haney also likes to enroll in courses at the University relating to computer or electrical technology. His wife, Rosaline is employed as a part-time clerical worker in

Admissions. In addition, the couple's two sons, Keith and Kim, both attended Penn State's DuBois Campus and graduated in business administration.

To relax, Mr. Haney plays the organ and has performed at church, alumni, and Physical Plant functions. He is active at his church and with the Pleasant Gap Fire Company and is a member of the American Management Association. Mr. Haney also has a 22' motor home which has enabled him to visit the 48 states, Canada and Mexico.

Staff development

McKeesport Campus was the host for 22 University staff members who participated in a Basic Supervisory Management program during the month of August. Representatives from Beaver, Fayette and McKeesport campuses spend four, all-day sessions covering basic management principles. Instructional leadership was provided by Dennis Keiser, coordinator, employee and management development. Course participants were:

Harry Albert, acting assistant director for planning and development, Fayette; Mary E. Baird, assistant dean of student affairs, Fayette; Becky Cress, manager, housing and food services, Beaver; Mary G. D'Alesio, senior assistant librarian, McKeesport; Kathleen Easler, assistant director for University relations, McKeesport;

James Flanagan, chief, safety and security, Beaver; Luis Gonzalez, administrative assistant for academic services, Beaver; Sarah Haddad, assistant dean of student affairs, McKeesport; Richard Hyde, manager, housing and food services, McKeesport; Judith J. Kalich, assistant to the dean of student affairs/admissions officer, McKeesport; Ellen Laun, administrative assistant for academic affairs, Fayette; Jim Luce, senior instructional services specialist, Beaver; Robert Purdy, counselor, Division of Undergraduate Studies, McKeesport; Margaret Rechter, administrative assistant for academic affairs, McKeesport; Louis

Ridley, counselor, career development and placement, Fayette; Ed Rusbarsky, finance officer, McKeesport;

Bobby G. Salitrik, senior instructional services specialist, Fayette; Albert Skomra, associate professor of English, administrative assistant for academic affairs, Fayette; Connie Turner, bookstore manager, McKeesport; Raymond Tutko, chief of campus police, McKeesport; Edward Whitaker, coordinator, Penn State Community Center at Pittsburgh; and Roseann Williams, administrative assistant for academic affairs, Fayette.

A group of Physical Plant supervisors from the branch campuses recently completed the Basic Supervisory Management program offered at University Park. The three, all-day sessions, Aug. 19-21, were taught by Jerry Boyles, manager, personnel and training, Physical Plant, and Dennis Keiser, coordinator, employee and management development, Personnel Administration. Those completing the program were:

Joseph Beaner, janitor foreman, Beaver; Charles Brookhouse, janitor foreman, McKeesport; George Brown, foreman, buildings and grounds, Capitol; Wayne Greenwall, janitorial foreman, Oquon; Glenn McGurk, maintenance foreman, York; John McNulty, maintenance foreman, Oquon;

Albert Miller, maintenance foreman, Wilkes-Barre; Norbert Oleksa, maintenance foreman, Shenango Valley; Thomas Reeves, night service supervisor, Capitol; Karl Ruediger, maintenance foreman, New Kensington; Paul Shier, maintenance foreman, McKeesport; and Kenneth Witmer, work management coordinator, Capitol.

Obituary

Alfred J. Brodbeck, a utility man with Housing and Food Services from 1948 to 1961, died Aug. 29 at the age of 80.

Funding Sources

For further information, call 865-1372

(345-1) The EDFund for the Improvement of Postsecondary Education program will offer 20 grants under the new *Mina Shaughnessy Scholars Program*. The program is to support individuals to produce a document of engagement in an activity which will significantly advance our knowledge of practical solutions to problems in postsecondary education projects could, for example, synthesize new knowledge, reconceptualize curriculum, or identify new directions. Awards are made to institutions on behalf of scholars. The application deadline is Oct. 17. For guidelines and information call 202-245-8091.

(345-2) Year Two of the Kollage National Fellowship Program has a Nov. 15 deadline. All eligible faculty staff (40 years or younger) will be considered as applicants. Personal interviews will be conducted during January and February. Three-year awards of \$30,000 are made to about 50 individuals to expand their professional horizons while maintaining their present employment (25% release time). The study component they pursue is to help them understand interrelationships of societal concerns, discern and innovate changes in their fields, and prepare to identify needs and obstacles confronting contemporary society's effective use of existing knowledge. Contact Mrs. Karen R. Hillebrand at 610-965-1221.

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University Park Calendar

Sept. 11-12

Special Events

Thursday, Sept. 11

school of Music Common Hour, 1 p.m., Music Bldg. Recital Hall. Billy Taylor, musician and composer, performs.

Sports: field hockey vs. Bucknell, 3 p.m. Cinemascope, Carrie, 7 and 9 p.m., HUB Assembly Hall.

GSA film, *Lawrence of Arabia*, 8 p.m., Room 10 Sparks.

Friday, Sept. 12

Last day to notify Payroll and Telephone Services to change listings in 1980-81 Faculty/Staff Telephone Directory.

Commonplace Theatre, *The Taming of the Shrew*, 7 and 9 p.m., Room 112 Kern.

Comp. Lit. Film Series, *Soman, I Am Curious Yellow*, 7 and 9 p.m., Room 112 Chambers.

Sports: soccer vs. Akron, 7:15 p.m. Robeson Cultural Center, Billy Taylor Trio in Concert, 8 p.m., Eisenhower Auditorium.

Saturday, Sept. 13

sports: field hockey, Lady Lion Invitational, through Sept. 14.

Last day to register for HUB Craft Center 1st session classes, noon-5 p.m., Room 312 HUB.

Comp. Lit. Film Series, *I Am Curious Yellow*, 7 and 9 p.m., Room 112 Chambers.

France-Cinema, *Truffaut, The Green Room*, 7 and 9 p.m., Room 112 Kern.

GSA film, *Lawrence of Arabia*, 8 p.m., Room 10 Sparks.

Sunday, Sept. 14

HUB Craft Center classes begin.

University Chapel Service, 11 a.m., Eisenhower Chapel. The Rev. Donald Davis, dir., United Ministry, PSU, speaker.

Opening reception for Roy Vollmer exhibit, 5 p.m., Kern Lobby.

Commonplace Theatre, *The Taming of the Shrew*, 7 and 9 p.m., Room 112 Kern.

GSA film, *Lawrence of Arabia*, 8 p.m., Room 10 Sparks.

Artists Series, John Brownian, pianist, 8:30 p.m., Eisenhower Auditorium.

Monday, Sept. 15

Alard String Quartet recital, 12:45 p.m., Room 112 Kern.

France-Cinema, *The Green Room*, 7 and 9 p.m., Room 112 Kern.

Color Slide Club meeting, 7:30 p.m., Room 189 MRL.

Tuesday, Sept. 16

Galler Talk, 10:30 a.m., Museum of Art. Richard Porter, registrar of exhibitions, discusses the Sidney Goodman exhibit.

Sports: field hockey vs. Temple, 3 p.m. Comp. Lit. Film Series, *Fellini, Orchestra Rehearsal*, 7 and 9 p.m., Room 112 Kern.

Wednesday, Sept. 17

late registration deadline.



"Dr. Robert Pressman," a portrait by Sidney Goodman in the Museum of Art retrospective.

Add deadline.

Alard String Quartet recital, 12:45 p.m., Room 112 Kern.

Black Film Series, *Nothing But a Man*, 7:30 p.m., Robeson Center.

History/Slavic Center Lecture, 7:30 p.m., Room 101 Kern. Lawrence Orzell on "Poland: Present Problems and Future Perspectives."

College of Science, Chemistry Lecture Series, Arthur Schawlow, Stanford Univ., on "Lasers, Light and Matter," 8 p.m., Room 333 Whitmore.

Alard String Quartet concert, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, Sept. 18

Sports: golf (women), Penn State Invitational, through Sept. 20.

Campus Colleagues meeting, 4:30-6:30 p.m., Alumni Lounge, Old Main. Kay Moore, education, on "The Status of Women in Academia."

GSA film, *Bird Man of Alcatraz*, 6:30 and 9 p.m., Room 10 Sparks.

Cinemascope, *Once Upon a Time in the West*, 7 and 9 p.m., HUB Assembly Hall.

School of Journalism Symposium, "Pennsylvania Politics in the 20th Century: The Next Two Decades," Paul Beers, *Harrisburg Patriot-News*, moderator, 8 p.m., Room 112 Kern.

URTC, Eugene O'Neill, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre.

English Colloquium. Pulitzer Prize poet Donald Justice reads from his works, 8 p.m., Room 101 Kern.

Friday, Sept. 19

GSA film, *Bird Man of Alcatraz*, 6:30 and 9 p.m., Room 10 Sparks.

Commonplace Theatre, *Casablanca*, 7 p.m.;

Play It Again, Sam, 9 p.m., Room 112 Kern. Sports: soccer vs. Alderson-Broddus, 7:15 p.m.

URTC, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre.

Saturday, Sept. 20

Sports: cross country (women), Lady Lion Invitational, 10 a.m. and (men), Alumni Invitational, 11 a.m.

France-Cinema, *Comencini, Till Marriage Do Us Part*, 7 and 9 p.m., Room 112 Kern.

GSA film, *Casablanca*, 7 and 9 p.m., Room 10 Sparks.

URTC, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre.

Sunday, Sept. 21

University Chapel Service, 11 a.m., Eisenhower Chapel. Bishop John A.T. Robinson, Dean of Chapel, Trinity College, Cambridge, speaker.

Sports: baseball vs. Mansfield (sh), 1 p.m. Commonsplace Theatre, *Casablanca*, 7 p.m.;

Play It Again, Sam, 9 p.m., Room 112 Kern. Artists Series, Waylon Jennings, 7:30 p.m., Rec. Hall.

Seminars

Thursday, Sept. 11

Ceramic Science, A. Varshneya, General Electric Company, on "Molecular Dynamics - Calculation of Glass Structure," 11 a.m., Room 301 Steidle (new listing).

Air Pollution, Robert J. Heinsch, mechanical engineering, on "Pennsylvania Air Pollution Regulations," 2:30 p.m., Room 333 Willard.

Acoustics, C. Pilot, Institut National des

in an influx of Americans.

Dr. Breslin, associate dean for international affairs at Florida International University, has studied the archives of a dozen missionary groups, as well as pertinent U.S. Department of State records.

"The evidence indicated," he writes, "that, rather than being an insidious danger to the Chinese, the missions' introduction of novelty, their generally benevolent parasitism, their blatantly evasive and privileged mode of operation, and their tempting weakness contributed to the resurgence of Chinese nationalism and to the downfall of foreign power in twentieth-century China."

Literary Criticism and Myth: Yearbook of Comparative Criticism. Edited by Joseph P. Streika. 285 pages. \$15.

Volume IX in this series approaches the literary artist's use of myth from three standpoints: general theoretical problems, special practical examples, and comparative theoretical trends.

Contributors include Helen Adolf (professor emerita of German at Penn State), Haskell Bick, Patricia Carden,

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Sciences Appliquees, Villeurbanne, France, on "Viscoelastic Properties of Polymeric Systems," 4 p.m., Room 73 Willard. Computer Science, John Hopcroft, Cornell Univ., on "Developments in Randomized Algorithms," 4 p.m., Room 325 Whitmore.

Friday, Sept. 12

Physical Chemistry, Barbara Garrison, chemistry, on "Classical Trajectory Studies of Ion Bombardment of Solids," 2:30 p.m., Room 333 Whitmore.

Monday, Sept. 15

Philosophy of Mathematics, Stanley Tennenbaum, Univ. of Quebec and visiting member, Institute of Advanced Studies at Princeton, on "Problems in the Foundations of Mathematics," 4 p.m., Room 104 Chambers.

Tuesday, Sept. 16

Biology, John Harkness, veterinary science, on "The Red Tars Enigma in Rats," 11:10 a.m., Room 117 Borland.

Thursday, Sept. 18

UDIS, Francis Dwyer, instructional improvement, on "Developing the Lecture," 1:30 p.m., Room 128 Mitchell.

College of Science, Chemistry Lecture Series, Arthur Schawlow on "Laser Spectroscopy (1): Avoiding Doppler Broadening," 2 p.m., Room 333 Whitmore.

Physics, D.S. Boudreaux, Allied Chemical Corp., on "Atomic Structure of Metallic Glasses," 3:50 p.m., Room 445 Davey.

Agricultural Experiment Station, Stuart Patton, Evan Pugh Professor of Agriculture, on "Professing and Researching in Agriculture," 4 p.m., Room 301 Ag. Admin. Bldg.

Friday, Sept. 19

College of Science Chemistry Lecture Series, Arthur Schawlow on "Laser Spectroscopy (2): Simplifying Complex Spectra," 2 p.m., Room 333 Whitmore.

Exhibits

Kern Gallery: Alfred Charley, bronze sculpture; Roy Vollmer, architect, opens Sept. 15.

Museum of Art: Sidney Goodman, paintings, drawings and graphics, 1959-1979; highlights from the permanent collection.

Pattee Library: Founding a University: The Pennsylvania State University's 125th Anniversary. East Corridor Gallery: Mary Stockrocki, photographs of the Mid-East. Lending Services Lobby: Denise Arieu, handbuilt pottery, Main Lobby.

Park Robeson Cultural Center: The Frederick Douglass Years.

Visual Arts Bldg. Zoller Gallery: Herbert Katzman, drawings and preparatory sketches for frescoes.

Heinrich Dorrer, Sem Dresden, Georges Dumezil, Lilian Feyer, Eva Kushner, John B. Vickery, Kurt Weinberg, Klaus Weissenberger, and John J. White.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Sept. 18, 1980. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

ACCOUNTANT BEOG PROGRAM - CONTROLLERS OFFICE, University Park. Responsible to Manager of Student Loans and Scholarships for the accounting and reporting of Basic Educational Opportunity Grant money disbursed to students at University Park and Commonwealth Campuses. Assist Student Aid with accounts to students. Maintain records and reports for the U.S. Department of Education. Request funds from the U.S. Department of Education as needed. Bachelor's degree or equivalent in accounting, plus one to two years of accounting experience, preferably in institutional accounting and procedures.

From the Press

Electric Traction on the Pennsylvania Railroads; 1895-1968. By Michael Bezilla. 233 pages. \$16.95.

Dr. Bezilla, historian of the University, has written the first comprehensive case study of railroad electrification in the United States, highlighting a type of current government and industry studies and a target of billions of dollars of Amtrak rehabilitation funds.

Electrification of key routes, he contends, could serve the nation's energy and environmental needs . . . electric locomotives, unlike their diesel counterparts, have the ability to draw upon (indirectly) several plentiful domestic energy sources - coal, water, and nuclear - rather than a single scarce, foreign-based one - petroleum."

Dr. Bezilla's subject, the Pennsylvania Railroad, was by far the leading innovator and developer of electric traction, by the late '30s owning 2,100 of the nation's 5,000 miles of electrified trackage. The PRR's electrified routes - connecting Washington, Philadelphia, Harrisburg and

New York - proved to be of important strategic value during World War II, when the central seaboard of the East Coast became the staging area for the war effort in Europe.

Electric traction, with tremendous advantages over steam power, was never so large as originally envisioned. Despite the PRR's pioneering efforts in the '30s, many other lines had to abandon plans for electrification because the Depression precluded capital investment.

In addition, widespread use of the diesel after World War II, coupled with post-war inflation and the inroads made by other forms of transportation, turned the attention of railroads away from further development of electric traction.

China, American Catholicism, and the Missionary. By Thomas A. Breslin. \$15.95. 144 pages.

From early in the 19th century until midway through the 20th, the chief link between China and the United States was the missionary. Until World War I, most American missionaries to China were Protestants, but Vaican concern over their challenge to the Catholic Church resulted

Gazing in 1839 at the ruined "idols" of Copan, the American explorer and author John Lloyd Stephens was moved to write of that wild Honduran site:

"Nor shall I at this moment offer any conjecture in regard to the people who built it, or to the time when or the means by which it was depopulated, and became a desolation and ruin: whether it fell by the sword, or famine, or pestilence. The trees which shroud it may have sprung from the blood of its slaughtered inhabitants; they may have perished howling with hunger; or pestilence, like the cholera, may have piled its streets with dead, and driven forever the feeble remnants from their homes. . . . One thing I believe, that its history is graven on its monuments. . . . Who shall read them?"

Since those somewhat melodramatic lines were penned, hundreds of archaeologists have systematically surveyed and excavated the "lost" cities of the Maya; but Stephens' basic questions remain unanswered.

They have challenged William T. Sanders, a professor of archaeology, since he first began directing work at Mayan sites in Mexico during the 1950s; and next year he will get another chance to resolve them. The Honduran government has invited him to lead a four-year project to excavate and reconstruct the Mayan site of Copan — which the Hondurans hope to use to attract tourism.

Serving as co-director with Dr. Sanders will be Dr. David L. Webster, associate professor of archaeology. Their team will include a core of permanent ceramicists to analyze pottery; epigraphers to study the ancient glyphs; and a cadre of post-doctoral students and graduate students, to be drawn from Penn State as well as other universities.

"We will be dealing with two very broad problems," Dr. Sanders explains. "The first is why a complex civilization evolved in this area — the causes and processes. This is a difficult tropical forest environment — what some pessimists call a 'counterfeit paradise.' The environment seems promising initially, but when people try to colonize and farm intensively, they encounter almost insoluble problems with soils, insect pests and diseases."

"The second question," Dr. Sanders continues, "is why this civilization collapsed. Between 100 B.C. and 1000 A.D., the population grew to millions in the Mayan cities. Massive temple and palace complexes were erected. Then, between 900 and 1100 A.D., 90 percent of the population simply vanished."

Despite an abundance of theories, no one yet knows why. It was probably due to a combination of factors, Dr. Sanders believes — depletion of soil reserves through erosion (the Maya practiced dry farming on hillsides), nutritional stresses, disease.

One recent theory postulates that about 800 A.D. Indians from Colombia settled in the West Indies (excavations confirm that date), bringing with them maize. Through the centuries, this Colombian maize had developed natural immunities to many of its host predators. But when the prevailing winds blew these viruses to the nearby Yucatan coast, they decimated the different variety of maize which was grown there and which had not built up immunities to them.

"Some people have also theorized that the Mayan cities were depopulated by revolts or wars," Dr. Sanders notes, "but that would not explain the complete disappearance of the population. Conquerors would have kept the local inhabitants for slave labor."

Located deep in the interior of Central America near the Guatemalan border, the ancient site of Copan is best known for the magnificent "idols" described by Stephens. As tall as 15 feet and covered with elaborate carvings and glyphs, these stelae offer rare opportunities to the epigrapher. Stephens was also correct about their historical significance.

The glyphs, which were long thought to refer to astronomical phenomena, in actuality celebrate events in the lives of

Penn State-led team to excavate Mayan site

kings, their wives and children," Dr. Sanders says. (This discovery, which revolutionized the study of Mayan inscriptions, was made by a Penn State graduate, Tatiana Proskouriakoff '30, whom the University honored as a Distinguished Alumna in 1971.)

Copan has more inscriptions than any known Mayan site. Thousands of pieces of sculptured stone have been found among the rubble used for fill. In addition, a great "hieroglyphic staircase," which was taken apart and reassembled haphazardly by a late 19th century expedition, awaits deciphering.

Dr. Sanders enumerates three goals for the Penn State-led team at Copan: (1) to reconstruct the Maya social and political organization there, (2) to discover the history of colonization at the site, and (3) to determine what caused its collapse.

Did Copan's farmers build terraces to halt soil erosion? Or, unaware of the danger, did they allow the soil to wash away until farming became impossible and the food supply disappeared?

Archaeologists can answer these questions by taking soil profiles at the base of the slopes and determining the amount and rate of erosion.

But even with the range of modern technology available, Dr. Sanders has no illusions about how much his team can learn.

"When you raise fundamental questions about what causes a civilization to evolve and what brings about its collapse, no matter how much work and money you put into your study, you may not find the answers," he says. "An archaeologist always confronts the problem of 'negative data.'"



Dr. Sanders

A team already at Copan has completed a surface survey of a 50-square-mile area and located house remains on the valley floor and at the foot of the mountains surrounding the area. During their first year in Honduras, Penn State's archaeologists will map an area of 200-square-miles. "We will get data quickly," Dr. Sanders explains, "using verbal descriptions and sketchmaps to record plaza groups and mounds. During the second phase of the project, we will resurvey and prepare complete contour maps; and in the third phase, we will do a series of excavations."

Copan has a large central acropolis with two urban barrios, one on each side. Only a few thousand people lived in the barrios, presumably members of the upper classes, their servants — and perhaps some crafts specialists. Dr. Sanders believes that the acropolis contains a palace, rather than a temple compound as it has been supposed.

"I think it was the palace of 'Sunrise,' the most famous ruler at Copan," he says. "We've learned about him from the stelae."

To try to reconstruct the social and political organization of the Mayas and their history of colonization, excavations of house sites will be made.

"The land around Copan has been cleared so it's easy to see house foundations, and four different levels of houses have been classified by size and elaborateness," Dr. Sanders reports.

"Right now we can only guess how many people lived in a house, but the number of houses we find will provide some clues. Unlike the Basin of Mexico, there are no artifacts on the surface at Copan, but we can establish dates by digging test pits. The debris we excavate could also indicate if craftsmen such as potters or masons worked in a house."

"A number of house compounds have been found in the nearby piedmont area, and we will dig there to determine the history of settlement on the slopes."

"Suppose we try to arrive at some conclusions after digging 24 of the 3,000 households in Copan," he continues.

"Imagine a sociologist publishing a report on public opinion in Philadelphia after sampling 24 subjects. But that's what we have to do as archaeologists. Because it's impossible in terms of both time and money to dig an entire Mesoamerican site, all our work boils down to sampling."

"But if I dig half a house and find no evidence of crafts, can I really say that there were no potters in the house? Maybe they worked in the other half."

"All you can do is collect useful data and hope that when enough has been accumulated, certain problems will be resolved. In reporting, you have to adopt a positive attitude toward your data and make some effort to reach conclusions — being careful at the beginning to describe the techniques you've employed and at the end to lay out problems awaiting future researchers."

That is exactly what Dr. Sanders has

done in his pioneering book, *The Basin of Mexico*, written with Jeffrey R. Parsons and Robert S. Santley and published last year by Academic Press. The book attacks a series of theoretical issues on the origins of civilization.

Beginning in 1960 and continuing until 1975, Dr. Sanders and his co-workers developed and refined a surveying technique which allowed them to map a vast geographic area to establish a "sound space-time framework for some aspects of prehistoric occupation in the Basin of Mexico. . . . The framework has served as a data base from which to generate inferences about the organization of polity, economy, and society during several time periods. The observed changes over a 2500-year period in population and settlement configuration have provided a series of plausible generalizations about the complex processes of cultural evolutionary change in prehispanic central Mexico."

To collect their data on population and settlement configurations, Dr. Sanders and his colleagues took a very demanding 15-year walk. In two- or three-person teams, accompanied by a workman, the archaeologists systematically walked over the basin of Mexico, an area of some 3000 square miles. The movement of each team was directed by a "centerman" carrying a 1,500-foot airphotograph of the terrain. As architectural remains and areas of artifact concentration were spotted, the centerman plotted them on the airphotograph. Systematic collections of surface artifacts were made, and the findings described in a notebook and with photographs. Later the notations on the airphotographs were transferred to maps.

"It's hard to pass by some of the tempting sites you find," Dr. Sanders says, "but sometimes you have to sacrifice accuracy of detail for geographic spread."

Dr. Sanders cannot even remember when he first decided to become an anthropologist; his Long Island high school yearbook records his choice of that profession. After earning three degrees at Harvard, he began field excavations in the Yucatan peninsula, first at Tabasco and then at Tulum. In addition to his project in the Basin of Mexico, he served as co-director (with Dr. Joseph Michels) at the excavation of Kaminaljuyu in Guatemala.

"As an anthropologist, my basic interest is in how humans adapt to their natural environment and what that adaptation does to their behavior," he explains.

"Archaeology adds the dimension of time. Throughout my career, I've tried to get field experiences in different environments."

What drew him to Mesoamerican archaeology? "The prime areas are close enough to be reached quickly and cheaply," he notes. "And there's such a fantastic variety in a small area. In eight hours of driving, you can go from Arctic conditions to tropical jungles. Because so many complex developments occurred in Mesoamerica, it's a fascinating laboratory."

News in Brief

(Continued from page 1)

J.G. Jackson-C.J. Wood Professor of Physics at Stanford University, will be the speaker for the Third Annual John M. Chermela Lectures in Science to be held Sept. 17, 18, 19 and 22.

Dr. Schawlow will present his first talk at 8 p.m. in Room 333 Whitmore Laboratory; his following three lectures are scheduled for 2 p.m. in the same room.

He will open the series with a lecture entitled "Lasers, Light and Matter." His subsequent talks, dealing with three areas of laser spectroscopy, are entitled "Laser Spectroscopy I: Avoiding Doppler Broadening," "Laser Spectroscopy II: Simplifying Complex Spectra" and "Laser Spectroscopy III: Detecting Small Numbers of Molecules" and "Measuring Wavelengths."

Dr. Schawlow and Nobel-laureate C.H. Townes wrote the first paper describing

lasers and held the patent for laser development.

For his discoveries, they received the Stuart Ballantine Medal of the Franklin Institute, and the Thomas Young Medal and Prize of the Physical Society and the Institute of Physics. Dr. Schawlow, a member of the National Academy of Sciences, has also been awarded the Morris N. Liebmann Memorial Prize of the Institute of Electrical and Electronics Engineers and the Frederick Ives Medal of the Optical Society of America.

Alard Concert is Sept. 17

The Alard String Quartet will present its first concert of the upcoming season at 8:30 p.m. Wednesday, Sept. 17, in the Music Building Recital Hall.

The three works on the program are Robert Schumann's Quartet in F Major, opus 41, no. 2; Bela Bartok's Fourth String Quartet; and Beethoven's Quartet in C Major, opus 59, No. 3.

Penn State Intercom

President Oswald — Looking back at the seventies



President Oswald

Editor's note: On July 1, 1970, John W. Oswald became the 13th president of Penn State. To mark the occasion of his tenth year in office, INTERCOM asked Dr. Oswald to look back on the '70s and trace the course of higher education in general — and Penn State in particular.

"Transitional" is the adjective President Oswald uses most frequently as he reflects on the nature of higher education in the '70s.

"We were passing through a period of transition in terms of growth, in the concerns and composition of the student body, and in the attitudes of the public toward us," he observes.

It was a decade that required a style of leadership quite different from that of the growing, changing, often turbulent years of the '60s, an era Dr. Oswald witnessed first as president of the University of Kentucky and then as executive vice president of the entire University of California system.

The first requirement for the '70s was planning, Dr. Oswald points out.

In the '60s, in response to skyrocketing student enrollments, it had not been unusual for institutions the size of Penn State to expand at an annual rate of 10 percent, leaving little chance for anything but ad hoc planning. As the '70s dawned, the growth curve began to flatten out.

Penn State followed the national pattern, growing about 2 to 5 percent annually.

"The difference between the decades can be summed up in a single statistic," Dr. Oswald notes. "Between 1964 and 1966, five new Commonwealth Campuses were established (Beaver, Berks, Delaware County, Fayette and Shenango Valley). Not a single Campus was added during the '70s."

A second challenge to planners posed by the '70s was the shift in student concerns.

"Inspired by President Kennedy and the 'Great Society' of President Johnson, students made the '60s the era of the social sciences," Dr. Oswald says. "Many of our 'best and brightest' dedicated themselves to such 'service' curriculums as sociology and psychology.

"But in the past ten years we have watched students transfer their attention from these areas to those they now perceive as dealing with the practical problems of the world — petroleum engineering, high level computer science and business administration. It's no coincidence that the area experiencing the largest drop in enrollments has been education. While this is due in part to the declining birthrate, it also reflects the movement of college students away from the concept of 'service'."

(Continued on page 4)

Mallette elected as secretary of Senate

President Oswald presented his annual report to the University Faculty Senate on Sept. 9 at the first meeting of the 1980-81 academic year.

Senate Chairman George Franz announced that Dr. M. Frank Mallette, professor of biochemistry, had been elected secretary of the Senate. He succeeds Dr. Nancy Tischler, who became interim chairman-elect following the resignation from office of Dr. Edward Klewans.

In his address, Dr. Oswald reported on PS-23, which has now completed its fifth year of operation; discussed a possible change from a term to a semester system; announced the establishment of The Faculty Scholar Medal for Outstanding Achievement (see accompanying story); and brought senators up-to-date on the status of the University appropriation.

Because a document such as PS-23 "needs a degree of continuity and assuredness," relatively few changes have been made in it during the past five years, Dr. Oswald pointed out. However, in November of 1977, a Joint Committee was appointed by the Senate Chairman and President Oswald to consider the functioning of PS-23, and that committee's report is now before the Senate's Faculty Affairs Committee.

Dr. Oswald noted that four of the procedural changes recommended by the Joint Committee and approved by the Senate in June had been adopted and put into place by his office during the summer. He also informed the Senate that, under a new procedure, the chairmanship of the University Promotion and Tenure Committee will be rotated every two years, and that members of the faculty as well as administrators will be asked to serve as chairpersons.

(Continued on page 6)

Faculty Scholar Medal established

The announcement of the establishment of The Faculty Scholar Medal for Outstanding Achievement was made by President Oswald during his annual report to the University Faculty Senate at the Sept. 9 meeting.

Some form of recognition for scholarly achievement had earlier been recommended by the Senate Committee on Research.

Paralleling the Christian R. and Mary F. Lindback Awards, which are presented for excellence in teaching, the new award, after it has been submitted to the Board of Trustees for approval, will honor persons "who have excelled in creative work and will express the University's gratitude and appreciation for their achievements."

Each award will consist of a medal and a check for \$1,000, and will be presented during Winter Term commencement exercises.

According to Dr. Oswald, candidates will be considered annually in each of four areas: (1) arts and humanities, (2) life and health sciences, (3) physical sciences and engineering, and (4) social and behavioral sciences.

"The awards," Dr. Oswald explained, "will be given in recognition of scholarly excellence represented by a single contribution or a series of contributions around a coherent theme. The contribution may be original basic research in any area of science; it may represent application of knowledge in the creation of a process or device useful to society; the contribution may be in any area of the arts or humanities such as poetry, musical composition, design, sculpture, paintings, ceramics, theatre arts and photography.

Peer committees will review nominations during the Fall Term, and each of the four committees may or may not recommend to the President a medalist for recognition in a given year.

"The prime criterion will be scholarly excellence," the President emphasized, and it should not be anticipated that awards will be made in all four categories every year."

Persons eligible for the awards include faculty members holding full-time academic appointments, with professional, research (excluding non-continuing research appointees) or librarian titles, as well as individuals who are full-time instructors or assistant librarians.

"The attainment for which the candidate is to be honored shall have occurred or culminated during the three years preceding the nomination for the award," the President said.

The following nominating procedure has been set up: Each September in all academic units of the University the President will invite nominations from peers in the four areas from which medalists may be chosen. Each nomination must include biographical data, a detailed description of the achievement itself, and documented evidence in the form of letters substantiating the claim of the national or international importance of the achievement.

Nominations received by the Dec. 1 deadline will be assigned to the appropriate area review committee. Committees will either recommend two or three names in priority-ranked order to the President or state that no award be given because, in the judgment of the committee, no suitable candidate is available.

The President will appoint four selection panels in July of each year, one in each of the four main scholarly areas. Panels will consist of five to seven members, with a majority of faculty who are recognized scholars in that area. Insofar as possible, panels will include a Lindback teaching awardee and an Evan Pugh professor, and

(Continued on page 4)

Engineering program selected by NASA as center of excellence

The College of Engineering has been selected by the National Aeronautics and Space Administration (NASA) to be one of seven colleges in the nation to develop a center of excellence in computational fluid dynamics. The other universities are Stanford, Iowa State, New York University, Arizona State, University of Cincinnati, and Massachusetts Institute of Technology.

With NASA sponsorship and funding of \$375,000 for four years, Penn State will begin a graduate level training program to award master's and doctoral degrees in computational fluid dynamics of internal and external flow.

Students in this program will gain expertise in the fundamentals of both steady and non-steady fluid motion. Work will include computer graphics and programming of serial, vectorial and parallel processes, numerical analysis with focus on algorithms for solving equations of fluid dynamics, and the application of computer codes to solving complex problems in fluid dynamics.

According to Dr. Budugur Lakshminarayana, professor of aerospace engineering and director of the new program, "The program is designed to meet the current deficiency and the projected substantial long-range shortage of trained personnel in computational fluid dynamics at NASA centers, aerospace companies, Department of Defense laboratories and universities. It is hoped," Dr. Lakshminarayana continues, "that the initiation of such programs around the country will help the United States maintain its leadership in aerospace technology." NASA headquarters, Ames, Langley, and Lewis Centers will serve in a

(Continued on page 4)

Penn Staters

Dr. Thomas Seebom, professor of philosophy, was a visiting professor last summer at the University of Heidelberg and will spend the 1980-81 academic year as a visiting professor at the New School for Social Research in New York City. He also presented three lectures abroad. At the University of Trier, Germany, he spoke at a Phenomenology of Literature Conference. The title of his lecture was "Hermeneutische Probleme im Zusammenhang mit Quine's Konzept der 'radical translation.'" At the University of Mainz, Germany, as part of a philosophical colloquium, he lectured on "Boethius und Dilthey"; and he gave a lecture entitled "Issues in Hermeneutics" at the Collegium Phaenomenologicum, Monteripido, Perugia, Italy.

Dr. Louis C. Perez, professor of Spanish, presented a paper at the First International Congress on Lope de Vega and the Origins of the Spanish Theatre held in Madrid last summer. His presentation was entitled "La moza del cantaro — obra perfecta" ("The Water Maid — a perfect work"). The drama with which Dr. Perez dealt is one of the mature works of Lope de Vega, the major playwright of Spain's Golden Age of Literature.

Dr. James W. Kelz, professor of education and coordinator, Rehabilitation Programs, was recently elected president-elect of the Pennsylvania Rehabilitation Association. Dr. Kelz was also elected as a senator of the American Personnel and Guidance Association, as well as appointed chair of the Armed Services Committee of the National Vocational Guidance Association at the APGA national convention in Atlanta, Ga.

Members of the Alard Quartet — violinists Joanne Zagst and Donald Hopkins, violist Raymond Page, and cellist Leonard Feldman, all associate professors of music — spent two months touring in Europe last summer. They performed at the Ohrid and Dubrovnik Festivals in Yugoslavia, Musik Sommer Klaus in Austria, and Freiburger Serenaden in Germany. As part of the tour, they appeared on television in Yugoslavia and Austria and taped several compositions for broadcast on Radio Free Berlin.

The Alard's second album, "Music for Flute and Strings by Three Americans," has been released by Leonard Records. It features Diane Gold, of a State College, is a guest artist on the recording.

Dr. Richard Hamwi, instructor in art, is having an exhibition of his drawings and paintings at the Barbara Fiedler Gallery in Washington, D.C., through Oct. 3. The exhibit, entitled "Images on Paper," includes 23 works done in ink and watercolors. Dr. Hamwi says the images are abstractions derived from nature and experience.

Dr. Donald B. Johnson, associate professor of computer science, in July attended the 7th Annual International Colloquium on Automata, Languages, and Programming in Noordwijkerhout, The Netherlands, where his joint paper with Dr. Greg N. Frederickson was presented by Dr. Frederickson, an assistant professor of computer science. Dr. Johnson also gave invited lectures at the University of Kaiserslautern and the University of the Saarlands on recent work in optimal solution of structured selection problems.

Dr. Sam Y. Zamrik, professor of engineering science and mechanics, has been awarded a "Certificate of Recognition" by the American Society of Mechanical Engineers for his technical contribution to the Pressure Vessel and Piping Division of ASME. Now the vice-chairman of the Society's Design and Analysis Committee, he has also served as its technical program chairman for the past several years.

Dr. John J. Coyle, professor and head of the Department of Business Logistics and director of CBA's undergraduate program, is the first recipient of the Golden Key Outstanding Faculty Award, sponsored by the University's chapter of the Golden Key National Honor Society. To be presented on Oct. 12, the award recognizes outstanding faculty members who enhance the education of Penn State students through innovative teaching, advising and student-related research.

CBA students have presented Dr. Coyle with their Outstanding Teaching award and twice selected him as Outstanding Advisor. He received the University's 1980 Raymond R. DiMeo Award for Instructional Improvement for his role in developing innovative undergraduate business courses.

The Pennsylvania Psychological Association has presented a Distinguished Service in Psychology Award to Dr. Leon Corlow, professor of psychology. Dr. Corlow was honored for his academic contributions in clinical training, teaching, writing, administration and research and also for service to the community and profession. PPA noted his service to advocacy organizations for the developmentally disabled, as secretary designate for Right to Education suits in the Department of Education, and as a two-term member of the Pennsylvania Board of Psychologist Examiners.

Dr. Joseph O. Prewitt-Diaz, assistant professor of education and bilingual education program specialist, has been named to the Elementary-Secondary Education Act Title IV State Advisory Council. His appointment was announced by Dr. Robert G. Scanlon, secretary of education for Pennsylvania. Members of the State Advisory Council include a wide range of professional educators, parents, students and members of the general public. The Council provides advice and evaluation on the State's plan to strengthen the quality of education through financial support of local projects designed to improve educational practices.

Dr. Carl Hausman, professor and head of philosophy, presented a paper last month at the Ninth International Aesthetics Congress in Dubrovnik, Yugoslavia. His topic was "Creativity: The Evolution of Value."

Dr. Emily Toth, assistant professor of English, has become an elected member of the Public Committee for the Humanities in Pennsylvania. Her term on PCHP, the State equivalent of the National Endowment for the Humanities, will run from 1980 to 1984.

Promotions

Staff Exempt

Scott T. Heffelfinger to assistant to the Dean of Student Affairs at Altoona. Patricia Ann Long to programmer at Hershey.

Staff Non-Exempt

Joan E. Koons to physical therapy technician at Hershey.

Clerical

Linda Cartright to secretary C in Education.

Laura E. Frye to secretary to B in Business Administration.

Peggy Kresovich to budget clerk in Education.

Delores M. McGee to clerk, typist A at Beaver.

Patricia A. Shawley to secretary B in Health, Phys. Ed. and Recreation.

Technical Service

Beverly J. Bechdel to food preparer B in Housing and Food Services.

Sally A. Bierly to food preparer B in Housing and Food Services.

Harold F. Blount to vehicle maintenance mechanic at Behrend.

Sylinda A. Cole to baker — utility in Housing and Food Services.
D. Edward Dashem Jr. to food preparer B in Housing and Food Services.
Jack E. Miller to central processing aide at Hershey.
Stanley P. Miller to food preparer A in Housing and Food Services.
Charles Siegler to utility worker at Nittany Lion Inn.

25-year chair



"You almost have to have been here to believe the changes," says Gerald L. Garbrick, manager of trades, of his quarter century at the University. "It wasn't much of a campus — very small and compact, but now there's quite a difference."

Mr. Garbrick joined the University staff in 1955 as a landscape laborer and caught his first glimpse of the change and growth to come to Penn State as he assisted in the landscaping of the newly completed Hetzel Union Building. In 1959, when he was a carpenter's apprentice, only one truck was necessary "for the whole carpenter crew of about 18 people. Now it would take a fleet of trucks."

As Penn State has grown, so have Mr. Garbrick's responsibilities. He has been promoted through a number of supervisory positions, beginning with janitorial foreman (night shift) in 1964. He transferred to inspector/estimator in Old Main in 1966 and returned to the night shift as a night operations supervisor in 1967. He has also held the positions of building maintenance supervisor, janitorial operations supervisor and job scheduler.

In 1975, he graduated from Penn State with a B.S. in industrial arts education after years of taking Continuing Education courses and part-time day classes while on the night shift. Later that same year, he accepted his present position as manager of trades and is responsible for the supervision of daylight, night and weekend trades supervisors and foremen.

Mr. Garbrick has apparently been responsible for starting a Penn State family tradition in the areas of education and employment. His wife, Helen, is employed as a secretary in Grange Building. One of the couple's two children, Linda, is employed as a clerk in Liberal Arts. Another daughter, Kathryn, graduated from the University with a degree in social rehabilitation.

In his spare time, Mr. Garbrick can often be found traveling to New York and Delaware where he participates in cross-country motorcycle racing.

Retirements

Edwin T. Irwin has been one of Penn State's all-important "men behind the scenes." Through the years, he was a member of the hard-working carpentry division that assisted in last-minute preparations for football games and dances and was instrumental in setting up Beaver Stadium for graduation, an event that triggers memories of "more times rain than shine."

After 26 years' experience as a carpenter in the Office of Physical Plant, Mr. Irwin is retiring. Today (Sept. 18) marks the last day of his job, a job he describes as "the best I've ever had. You couldn't find a

better place to work no matter where you go."

In 1954, Mr. Irwin joined the University staff as a Grade A carpenter in Physical Plant and was involved in maintenance, repair and alteration work all over the campus. During these early days, he recalls that the carpenters used to have to carry their tools across campus, and only one truck was available to haul materials for them. In 1975, Mr. Irwin was promoted to maintenance lead carpenter and supervised crews out in the field.

A resident of Houzdale, Mr. Irwin and his wife, Ruth, have four daughters and five grandchildren. After Mr. Irwin's retirement, they plan to take a trip to the Holy Land.

Rosella J. Hammond, a janitorial worker in the Office of Physical Plant, is marking her retirement time in a number of ways. To keep track of her leisure hours, her co-workers presented her with a clock-radio and graduate students and faculty members in Deike Building, where she was employed, gave her a watch as a farewell present. Mrs. Hammond plans to fill those passing hours visiting relatives, taking care of her dogs, and "puttering" about her place. She is even considering buying a car and learning to drive.

Mrs. Hammond retired Sept. 6 after 16 years of service with the University. She began her Penn State employment in 1964 as a janitorial worker in Maintenance and Operations. Through the years, she worked in a variety of locations such as Chambers Building, Boucke Building, and Frear Lab. She spent the last 11 years of her University career in Deike.

Obituaries

Ernest B. McCoy, 76, dean emeritus of the College of Health, Physical Education and Recreation died Tuesday morning, Sept. 16.

Dean McCoy came to Penn State in 1952 as director of athletics and dean of the then College of Physical Education and Athletics. His administration oversaw a period of expansion in athletic facilities as well as programs. Under his leadership, Penn State's Sports Research Institute came into existence. He led campaigns for the establishment and expansion of numerous facilities, including an enlarged football stadium, new tennis courts and an expanded gymnasium and recreation building.

A graduate of the University of Michigan, Dean McCoy received his M.A. at Columbia University. Prior to coming to Penn State, he was a coach and athletic director at Montclair State Teachers College and a coach and assistant athletic director at Michigan.

In 1970, the year he retired, Dean McCoy received the University's McKay Donkin Award for his contributions to the general welfare of the faculty. In 1977, he was inducted into the Pennsylvania Sports Hall of Fame.

Nellie McClenahan, a janitorial worker with the Office of Physical Plant, died Sept. 6 at the age of 60. She had retired from the University on disability Nov. 17, 1976, after 13 years of service.

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University Park Calendar

Sept. 18-28 Special Events

Thursday, Sept. 18
Sports: golf (women). Penn State Invitational, through Sept. 20.
Campus: Colleagues meeting, 4:30-6:30 p.m., Alumni Lounge, Old Main. Kay Moore, education, on "The Status of Women in Higher Education."
Cinema: *Once Upon a Time in the West*, 6 and 9 p.m., HUB Assembly Hall.
USA film, *Bird Man of Alcatraz*, 6:30 and 9 p.m., Room 10 Sparks.
English Colloquium, Donald Justice, Univ. of Iowa, 1980 Pulitzer Prize winner in poetry, speaker, 8 p.m., Room 101 Kern.
School of Journalism Symposium, "Pennsylvania Politics in the 20th Century: The Next Two Decades," Paul Beers, Harrisburg Patriot News, moderator, 8 p.m., Room 112 Kern.
URTC, Eugene O'Neill, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre.

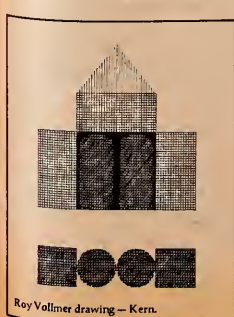
Friday, Sept. 19
Deadline for applying for Graduate School Tuition Grant-in-Aid for Winter Term 1981.
Religious Affairs/STS Lecture, 4 p.m., Room 112 Kern. Bishop John A.T. Robinson, Dean of the Chapel, Trinity College, Cambridge, on "The Eastern Challenge to Christianity." USA film, *Bird Man of Alcatraz*, 6:30 and 9 p.m., Room 10 Sparks.
Commonsplace Theatre, *Casablanca*, 7 p.m.: *Play It Again, Sam*, 9 p.m., Room 112 Kern.
Sports: soccer vs. Alderson-Broddus, 7:15 p.m. URTC, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre.

Saturday, Sept. 20
Sports: cross country (women), Lady Lion Invitational, 10 a.m., and (men), Alumni Invitational, 11 a.m.
Cinema: *Comencini, Till Marriage Do Us Part*, 7 and 9 p.m., Room 112 Kern.
USA film, *Casablanca*, 7 and 9 p.m., Room 10 Sparks.
URTC, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre.

Sunday, Sept. 21
University Chapel Service, 11 a.m., Eisenhower Chapel. Bishop John A.T. Robinson, Dean of the Chapel, Trinity College, Cambridge, on "Reviewing Jesus from a New Perspective."
Sports: baseball vs. Mansfield (DH), 1 p.m. Commonsplace Theatre, *Casablanca*, 7 p.m.: *Play It Again, Sam*, 9:30 p.m., Room 112 Kern.
Cinema Series, Wayne Jennings, 7:30 p.m., Rec. Hall.

Monday, Sept. 22
Last date for Nov. graduates to pay these fees at Bursar's Office and to activate diploma cards in Records Office.
Classical Chinese Music Trio, 12:45 p.m., Room 112 Kern.
Deadline for Winter and Spring Term 1981 IAHS research grant applications, 5 p.m., Ithling Cottage.
France-Cinema, *Till Marriage Do Us Part*, 7 and 9 p.m., Room 112 Kern.
Art History Lecture, 7:30 p.m., Room 101 Kern. Gerald Eager, Bucknell Univ., on "Form and Symbol in Renaissance and Modern Art — Dani Darvasan's Environment at Prato."

Tuesday, Sept. 23
Demonstration of Kurzweil Reading Machine, 10 a.m., 2 and 3:30 p.m., lecture room.



Ray Vollmer drawing — Kern.

General Reference Section, Patter.
Comp. Lit. Luncheon, 12:15 talk, 1 p.m., Room 204 HUB. Michael Begal, English, on "Vladimir Nabokov: *Ada*, Time and Memory."
School of Music Common Hour, Classical Chinese Music Trio, 1 p.m., Music Bldg. Recital Hall.
Sports: field hockey vs. LaSalle, 3 p.m.
Comp. Lit. Film Series, *Women*, 7 and 9 p.m., Room 112 Kern.
Schools of Music/Visual Arts Concert and Lecture, Classical Chinese Music Trio, 7:30 p.m., Music Bldg. Lobby; Liang Dan-Fong, lecture and demonstration on Chinese painting, 8 p.m., Music Bldg. Recital Hall.
URTC, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre.
Wednesday, Sept. 24
Alard String Quartet recital, 12:45 p.m., Room 112 Kern.
Focal Film Series, Lucia (Cuba-Spanish with English subtitles), 6 and 9 p.m., Room 101 Chambers.
Black Film Series, *Learning Tree*, 7:30 p.m., Robeson Center.
MBA Interaction Program Lecture, 7:30 p.m., Room 112 Kern. John A. Cerkler, exec. asst. to pres., Westinghouse Electric Corp., on "The International Competitive Situation and the Role of U.S. Industry."



Photo of Frederick Douglass — Robeson

URTC, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre.
Robert Tobby, baritone, and John Wustman, Univ. of Illinois, piano, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, Sept. 25
Board of Trustees meeting, Keller Bldg. Pass-Fail.
IAHS, John Wustman gives a master class for singers and pianists on the art of accompanying, 1 p.m., Music Bldg. Recital Hall.
Cinema: *The Charge of the Light Brigade* (1968), 6:30 and 9 p.m., HUB Assembly Hall.

URTC, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre.

Friday, Sept. 26
Board of Trustees meeting, Keller Bldg. Pass-Fail.
Sports: jv. football vs. Milford Academy, 2 p.m.; soccer vs. Cleveland State, 4 p.m.; tennis (women) vs. Princeton, 8 p.m.
Commonsplace Theatre, *The Hustler*, 6:30 and 9 p.m., Room 112 Kern.

USA film, *Three Days of the Condor*, 7 and 9 p.m., Room 10 Sparks.

Fred Waring and the Young Pennsylvanians, 8 p.m., Eisenhower Auditorium.
URTC, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre.

Saturday, Sept. 27
Sports: tennis (women) vs. Ohio State, 8 a.m.; cross country (women) vs. Michigan State and Maryland, 10 a.m.; football vs. Nebraska, 1:30 p.m.

Hort Show, "Horticulture: Yesterday's Seeds Growing Today," 10 a.m.-9 p.m., Flower Gardens.

France-Cinema, *Sereau, Pourqui Pas*, 7 and 9 p.m., Room 112 Kern.

USA film, *Three Days of the Condor*, 7 and 9 p.m., Room 10 Sparks.

URTC, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre.

Sunday, Sept. 28
Sports: tennis (women) vs. Virginia and Harvard, 9 a.m.; baseball vs. Indiana (Pa.) (DH), 1 p.m.



Liang Dan-Fong painting — Patter.

Hort Show, 10 a.m.-4 p.m., Flower Gardens.
Sale of exhibition material, 4 p.m.
University Chapel Service, 11 a.m., Eisenhower Chapel. The Rev. Donald Nolder, St. Paul's United Methodist Church, State College, speaker.
Artists Series, A Chorus Line, 3 and 8:30 p.m., Eisenhower Auditorium.
Commonsplace Theatre, *The Hustler*, 6:30 and 9 p.m., Room 112 Kern.
USA film, *Three Days of the Condor*, 7 and 9 p.m., Room 10 Sparks.

Seminars

Thursday, Sept. 18
Ceramic Science, J.T.A. Roberts, EPRI, on "The Search for a More Forgiving Material," 11 a.m., Room 301 Siddle (new listing).
Chemistry, David Ostby, Univ. of Chicago, on "Solvent Effects on Relaxation in Liquids," 12:45 p.m., Room 333 Whitmore (new listing).

College of Science, Chermersa Lecture Series, Arthur Schawlow, Stanford Univ., on "Laser Spectroscopy I: Avoiding Doppler Broadening," 2 p.m., Room 333 Whitmore.
Physics, D.S. Boudreau, Allied Chemical Corp., on "Atomic Structure of Metallic Glasses," 3:50 p.m., Room 445 Davey.
Agricultural Experiment Station, Stuart Patton, Evan Pugh Professor of Agriculture, on "Professing and Researching in Agriculture," 4 p.m., Room 301 Ag. Admin. Bldg.

Computer Science, Mark Wegman, IBM T.J. Watson Research Center, on "Design of a Structural Editor," 4 p.m., Room 325 Whitmore (new listing).

Fuel Science, J.M. Lambert, Jr., grad. student, on "Pyrite to Pyrrhotites — Equilibrium and Kinetic Considerations in H₂," 4 p.m., Room 301 Siddle (new listing).
Mathematics, Leonard D. Berkovitz, Purdue Univ., on "Penalty Methods to Derive Necessary Conditions in Optimal Control in Relaxed Control Problems," 4 p.m., Room 102 McAllister (new listing).

Friday, Sept. 19
Chermersa Lecture Series, Arthur Schawlow, on "Laser Spectroscopy II: Simplifying Complex Spectra," 2 p.m., Room 333 Whitmore.

Geography, Peirce Lewis, geography, on "Images in the American Landscape," 3:45 p.m., Room 319 Walker.
Mathematics, A. Ranicki, Princeton Univ., on "Quadratic Forms and Manifolds," 4 p.m., Room 112 Osmond.

Monday, Sept. 22
Chermersa Lecture Series, Arthur Schawlow, on "Laser Spectroscopy III: Detecting Small Numbers of Molecules — Measuring Wave Lengths," 2 p.m., Room 333 Whitmore.

Thursday, Sept. 25
Chemistry, John J. Eisch, SUNY/Binghamton, on "Novel Oligomerization, Cleavage and Rearrangement Reactions of Nickel (O) Complexes," 12:45 p.m., Room 333 Whitmore.

Physics, Romeo Segnan, American Univ., on "Optics. Light and Color in Art: Was El

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Greco Asigmatic?" 3:50 p.m., Room 445 Davey.
Fuel Science, George Roberts, Air Products and Chemicals, on "Two Stage Coal Liquefaction Technology," 4 p.m., Room 301 Siddle.

Friday, Sept. 26
Physical Chemistry, Paul Dagdigian, Johns Hopkins Univ., on "State Resolved Inelastic Scattering of LiH," 2:30 p.m., Room 333 Whitmore.

Exhibits

Kern Gallery: Alfred Charley, bronze sculpture, through Sept. 26; Roy Vollmer, architectural drawings.

Maps of Arts: Sidney Goodman, paintings, drawings and graphics, 1959-1979; highlights from the permanent collection.

Pattee Library: Founding a University: The Pennsylvania State University's 125th Anniversary, East Corridor Gallery, Mary Stockrocki, photographs of the Mid-East, through Sept. 22; Liang Dan-Fong, Chinese paintings, Sept. 22-24, Lending Services Lobby; Denise Ariew, handbuilt pottery, Main Lobby.

Paul Robeson Cultural Center: The Frederick Douglass Years.

Visual Arts Bldg. Zoller Gallery: Herbert Katzman, drawings and preparatory sketches for frescoes.

Arts Roundup

Chinese musicians, artist will be in residence

Three classical Chinese musicians and an artist from the Republic of China, Taiwan, will be in residence at University Park Sept. 21-24.

During their stay, they will present lectures, demonstrations and recitals for students and the general public. An exhibit of East Asian art will be shown in Pattee Library in conjunction with their residence.

The Classical Chinese Trio will perform as guests of the Alard String Quartet in the Music 297 A class from 12:30 p.m. to 2 p.m. Monday, Sept. 22, in the Kern Commons. On Tuesday, Sept. 23, the trio will perform from 1 p.m. to 2 p.m. in the Music Building Recital Hall for the School of Music's Common Hour.

That evening, they will play from 7:30 p.m. to 8 p.m. in the Recital Hall, prior to a lecture/demonstration by artist Liang Dan-Fong. At 9 p.m., a reception for the four visitors will be held in the lobby of the Music Building. All these events are open to the public. In addition, the four artists will be guests in regularly scheduled classes in the School of Music and the School of Visual Arts.

The three musicians, Wong Chung-Ping, Chen Chung-Sheng and Tsai Pei-Hwang, play the pi-pa (four-stringed instrument), bamboo fluke and Nan Hu (Chinese fiddle) respectively. Their repertoire consists of ancient and modern Chinese folk melodies as well as some original compositions and arrangements of traditional songs. Many of their pieces feature solos for the various instruments.

Wong Chung-Ping, a graduate of National Taiwan University, is the composer and conductor for the Taipei Municipal Chinese Music Orchestra and conductor of the B.C.C. Chinese Classic Music Demonstration Orchestra. The recipient of the Medal of Chinese Literature and Art and the Medal from the Minister of Education, Wong Chung-Ping participated in a 30-concert tour of the United States in 1978.

A music major at Tai Chung Normal College, Chen Chung-Sheng is first chair in wind instruments in the Taipei Municipal Chinese Music Orchestra and a music instructor at the Wa Kung Art Academy. In 1979, he was awarded first

(Continued on page 5)

Dr. Oswald

(Continued from page 1)

The changes in student numbers and concerns were accompanied by a change in the composition of the student body, as increasing numbers of women entered college classrooms.

Dr. Oswald points out that women represented 39 percent of the total student population at Penn State in Fall '79—an increase of 28 percent for the decade. This pattern prevailed at all degree levels. For example, last Fall, 40 percent of the University's baccalaureate degree candidates were women, an increase of 21 percent over the decade. Associate degree programs reported a 289 percent increase in the number of women enrolled (to 31 percent). Thirty-six percent of Penn State's graduate students were women, as were 28 percent of the students in the College of Medicine, a jump of 64 percent and 211 percent respectively.

But the most difficult transition for higher education in the '70s and the one that has posed the greatest challenge to planners was brought about by changing public attitudes. Dr. Oswald explains:

"We have gone from a period in 1964-65 when the nation gave a very high funding priority to education to an era where it now questions whether higher education should receive any priority at all.

"This questioning of the value of higher education has led directly to spiraling tuition costs. At Penn State, we have seen tuition rise much faster than the rate of inflation and well beyond the percentage of the cost born by the Commonwealth.

"The public's former attitude that the state should help students bear the cost of their education reflected the belief that institutions of higher education helped the state as well as the student. Now the idea seems to be that students should pay the greater share because educational benefits accrue largely to them and only incidentally to the state.

When President Oswald took office in 1970, the outlines of many of the changes that would shape the '70s were already apparent, and he moved swiftly to position the University to deal with them.

"When I arrived on the scene," he recalls, "Behrend had just become a four-year institution, and several other campuses were also vying to become colleges. It was apparent to me that someone had to put on the brakes and begin to plan for a more modest future."

The result was Penn State's first real master plan, a chart that set the University's course for much of the decade. Then, in 1977, realizing that new premises would be needed for the declining student populations and shrinking revenues of the '80s, Dr. Oswald set in motion the massive planning effort that resulted in *A Perspective on the '80s*.

"More than 200 persons—trustees, faculty members, students and administrators—were involved in shaping the *Perspective*," Dr. Oswald says. "Their efforts have helped define the issues and delimit the boundaries of what will and will not be possible during this decade."

As the *Perspective* was developed, two other studies—less publicized but still crucial—were completed. The first, led by the former senior vice president for administration, Stanley O. Ikenberry, was a two-year determination of the state of Penn State's physical plant at all campuses. The second, conducted by administrators and staff reporting to the senior vice president for finance, Robert Patterson, attempted to predict the extent of the financial gap which would occur during the ensuing five years, the difference in what Penn State would take in from tuition revenues and State appropriations and its expenditures as affected by inflation.

"Because we knew there would be a gap," Dr. Oswald explains, "we undertook still another planning effort—what I like to call 'fine tune planning'—under the

direction of Provost Edward D. Eddy. All of our colleges and departments analyzed their needs during each of the next five years and projected what they could contribute toward closing the gap in our revenues. The result is that each unit—and I emphasize that this includes both academic and non-academic units—has established a savings goal for each one of the next five years."

But because academic planning is meaningless unless it enhances academic quality, Dr. Oswald has coupled Penn

"What I am most determined about, however, is that whatever we do we try to do well."

State's planning efforts with a program review examining every undergraduate and almost all of the graduate curriculums in the University.

"These reviews function as a qualitative academic inventory," the President says. "They were not conducted with the object of being used like hatchets for future budget cutting but to determine what we are doing both as to value and need to the institution. Indeed, some reviews, as in the case of computer science, have resulted in our putting more money into programs."

Another major achievement under Dr. Oswald's stewardship has been the institution of systematic personnel review procedures. Faculty members on the tenure track are now reviewed regularly at the end of their second, fourth and sixth years at the University.

"These reviews have naturally engendered a good deal of discussion," Dr. Oswald notes, "because the more complex and diverse an institution is, the more difficult it is to make equitable judgments. We can't apply the same standards to a person whose total assignment is to conduct research and one who works in agricultural extension. But all of our faculty members should demonstrate that they are scholars, in the sense that they are staying active in their fields of knowledge."

Personnel reviews, Dr. Oswald points out, have not been limited to faculty members. The offices of deans, associate deans and department heads are reviewed every five years. "I feel very strongly," he adds, "that if we are going to maintain quality during a period of falling resources, we will have to make choices among what is offered and among those offering it."

In looking back at other significant activities of the past decade, Dr. Oswald points to the growth of The Milton S. Hershey Medical Center, the establishing of a firm base of private support, the push to increase minority enrollments, and the defining and clarification of governance responsibilities within the institution.

"To me, one of the most rewarding parts of my ten years at Penn State has been the growth of the Medical Center," Dr. Oswald says. "When our Hospital was opened in 1970, one of the Philadelphia newspapers reported that Hershey wouldn't last six months. Today, the Hospital is completely in the black and self-sustaining. In my opinion, one of the principal reasons for Hershey's success is the caliber of the physicians and researchers we've been able to attract to the facility."

Hershey's success, Dr. Oswald notes, has been achieved in the face of the State's refusal during the past ten years to increase the amount per capita it allots for each student.

"This has resulted in the exceedingly high annual tuition charge of \$5,500 for Pennsylvania students," Dr. Oswald continues. "How, then, can we expect

these students, after assuming heavy indebtedness to complete their educations, to choose the low paying area of rural medicine which our programs emphasize—at the request, I would add, of the State?"

In the face of inadequate State support, not only for Hershey but also for many of its other programs, Penn State has moved to seek other funding sources.

"During the past ten years, we have worked very hard to build a strong base of private financial support," President Oswald reports. "With the help of our trustees, a Penn State Fund Council was established, and in the first five years of the decade, private giving rose from about \$3 million to \$5 million annually. By the end of the '70s, this amount had doubled.

The increasing of minority enrollments is an area to which Dr. Oswald has a deep personal commitment. "Every student we bring to Penn State is brought here with the idea that he or she will graduate," he says. "It is up to us to provide the academic and financial support to help disadvantaged students reach this goal. To put Penn State into closer touch with urban-based minority students, we established information centers in Pittsburgh and Philadelphia. Once at Penn State, students needing academic assistance can enroll in the Developmental Year program established for this purpose.

"These efforts resulted in an increase in the number of minority students until 1974 when their numbers dropped. The record is improving, although not as fast as we would like, and we intend to continue our efforts."

Early in his career at Penn State, Dr. Oswald turned his attention to defining the roles of the various groups involved in the governance of the University. The relationships and duties of the Board of Trustees, the President and the senior administrative officers were defined and mechanisms developed to bring the trustees into closer contact with faculty members and students. The trustees also set up the University Council, composed of students, faculty members and administrators, to consider broad, University-wide problems. A student advisory board and a faculty advisory committee were established, and both groups now meet regularly with the President to exchange views.

Among other important developments of the '70s were:

- The strengthening of the Office of Admissions with the appointment of Penn State's first Dean of Admissions. Dr. Oswald points out that applications for admission to Penn State have held up solidly throughout the decade, an indication of "the very strong feeling for Penn State among our high school graduates."

- The establishment of the Penn State Scholars program, which brings the top academic juniors in Pennsylvania high schools (and a number from out-of-state) to visit the University Park campus. As many as a third subsequently enroll.

- The maintenance of academic quality in the student body. While SAT scores have dropped nationally to a total of 894 in 1979, at University Park, the average for entering Fall Term '79 baccalaureate degree freshmen was 1064.

- The establishment of a Bachelor of Philosophy degree baccalaureate program to accommodate students wishing to design their own programs of study.

- The addition of nine foreign study programs to allow students to broaden their educational backgrounds by spending a term in nations ranging from Germany and England to Kenya, Taiwan, Peru and Israel.

- The instituting of planning for a totally integrated library system, based on computer facilities and expected to be operational within five years.

- The completion of a large number of buildings, both at University Park and the Campuses. While much of the planning for new buildings was begun in the '60s,

the past decade saw the doors open to the Liberal Arts Tower, a new addition to Pattee, Eisenhower Auditorium, the Business Administration Building, Fisher Plaza and Walker Building. In addition, Schwab Auditorium and the Nittany Lion Inn were completely refurbished.

—The strengthening of alumni ties through such new programs as the Alumni Fellows, which brings distinguished alumni back to campus to share their expertise with students and faculty members; and the Alumni Vacation College, which is held each summer. More than half of Penn State's 200,000 living alumni received their degrees during Dr. Oswald's presidency, and he has helped cement the University's relationship with them by addressing alumni clubs throughout the country.

Turning to the future, Dr. Oswald is "cautiously optimistic" as he looks ahead. "I think it's important that we at Penn State retain our flexibility to act," he says, pointing to the newly instituted reorganization of Continuing Education and the Commonwealth Campus system as one example of institutional creativity confronting the '80s.

"I think our prospects are good if we are smart enough to recognize opportunities when they present themselves and are willing to make tough decisions about programs if we feel they don't belong in Penn State's future.

"What I am most determined about, however, is that whatever we do we try to do well."

Engineering

(Continued from page 1)

advisory capacity to the program director and participants.

The executive committee of the program includes Dr. Blaine R. Parkin, professor of aerospace engineering and director of the Garfield Thomas Water Tunnel; Dr. Winfred M. Phillips, associate dean for research in Engineering; and Dr. Frank W. Schmidt, professor of mechanical engineering.

Other faculty members who will participate include Dr. Robert E. Henderson, professor of mechanical engineering; Dr. Gilbert H. Hoffman and Dr. Philip J. Morris, both associate professors of aerospace engineering; Dr. Kenneth K. Kuo and Dr. Charles R. Merkle, associate and assistant professors of mechanical engineering, respectively; and Dr. Mark Lang, research associate at ARL.

"The program," Dr. Lakshminarayana says, "will provide students not only with a cohesive set of courses but also with related research and engineering activities. In addition, they will be able to choose summer work experiences."

He adds that Penn State was chosen for the CFD program because of its previous extensive involvement in fluid mechanics research and the faculty expertise in this area and because of its excellent computing facilities.

Scholar Medal

(Continued from page 1)

members may also be drawn from outside the University.

The Graduate Council and the Senate Committee on Research will be asked to recommend faculty members and academic administrators for the four panels. Terms of appointment will be for three years, and initial terms will be staggered to ensure a rotation of the members.

Arts Roundup

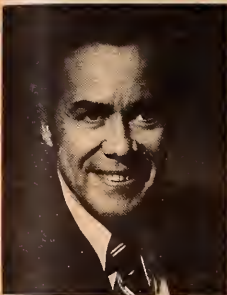
(Continued from page 3)

prize in wind instruments at the National Music Contest.

Tsai Pei-Hwang is a graduate of the College of Chinese Culture in Chinese music, and occupies first chair in string instruments in the Taipei Municipal Chinese Music Orchestra. He is also a music instructor at the Wa Kung Art Academy.

Liang Dan-Fong, an associate professor in the fine arts department of the National Taiwan Academy, has also taught at the Ming-Chuan College of Commerce for Girls and the College of Chinese Culture. Her subjects — bamboo, lotus, orchids, rocks and animal life — reflect the classical Chinese tradition; and she has had many of her works purchased for the permanent collection of museums throughout Taiwan, the Middle East, Europe and the United States. Solo exhibitions of her work have been held around the world.

The residency of the Classical Chinese Trio and Mrs. Liang is being sponsored by the Commission on the Arts of the National Association of State Universities and Land-Grant Colleges (NASULGC). Dean Walter H. Walters of the College of Arts and Architecture is chairman of NASULGC's Commission on the Arts.



Professor Trehy

Trehy recital with Wustman to be presented Sept. 24

Baritone Robert Trehy, professor of music and a Fellow of the Institute for the Arts and Humanistic Studies (IAHS), will present his first recital of the 1980-81 season at 8:30 p.m. Wednesday, Sept. 24, in the Music Building Recital Hall.

Appearing as accompanist with Mr. Trehy will be John Wustman, a pianist who has regularly provided accompaniment for opera singers Luciano Pavarotti, Birgit Nilsson and Elisabeth Schwarzkopf.

Professor Trehy will open his program with "Dichterliebe," a song cycle by Robert Schumann. He will perform five

selected songs by Johannes Brahms, and will conclude his recital with Francis Poulenc's song cycle, "Chansons Gaillardes."

Professor Trehy, who studied in New York and Vienna, has appeared as the leading baritone in international opera festivals in Berlin, Belgrade, Amsterdam and Wiesbaden. In the United States, he has performed as the leading baritone with the New York City Opera, Sarah Caldwell's Opera Company of Boston, the Washington Opera Society, the Santa Fe Opera and opera companies in Honolulu, Hawaii, and Central City, Colorado. He has appeared as soloist with the Cleveland, Detroit, Pittsburgh, St. Louis, Boston, Baltimore and Hartford Symphonies, and is a recording artist on the Philips label.

During the past year, Mr. Trehy took part in several operatic productions and symphonic performances. In January, he appeared with Beverly Sills in the Boston Opera's production of Strauss's *Die Fledermaus* and also performed in the same company's production of Prokofiev's *War and Peace*. He was the baritone soloist with the Pittsburgh Symphony in April and with the St. Louis Symphony in July, and is scheduled to perform again with the Pittsburgh Symphony in November.

Mr. Wustman, whose visit to the University is being sponsored by an IAHS grant, is a professor of music at the University of Illinois. He has accompanied Mr. Trehy in the past in several of his performances at the University. In connection with his upcoming visit, he will present a talk entitled "The Art of Accompanying" at 1 p.m. Thursday, Sept. 25, in the Music Building Recital Hall.

Saturday Morning Art Classes' registration continuing

Registration for Saturday Morning Art Classes, sponsored by the School of Visual Arts, will continue through Friday, Sept. 19, from 3 to 5 p.m. Interested persons may come to Room 270 Chambers Building or phone Ruth Barner at 865-6579.

Dr. Robert W. Ott, associate professor of art education, directs the program, which will begin Sept. 20. Mary Stokrocki of Boston, Mass., and Frank Chetelat of Baltimore County, Md., are course supervisors. The courses are taught by art education majors.

A variety of courses are available for children and young adults, as well as a special course for parents. Tuition is \$10 per child and \$12 per adult.

Vollmer exhibit is on display at Kern

An exhibit of drawings and architectural models by Roy Vollmer, an associate professor of architecture, is on display at the Kern Commons Gallery through Oct. 3.

Professor Vollmer received his B. Arch. at the University and his M. Arch. at the



Fred Waring will lead the Young Pennsylvanians at Eisenhower Auditorium at 8 p.m. on Friday, Sept. 26. The concert, part of Mr. Waring's final tour, is a highlight of the "Thank You, Fred Waring" weekend, during which Penn State will honor its famous alumnus. Tickets may be ordered by calling 863-0255.

University of Pennsylvania Graduate School of Fine Arts, where he studied with the late Louis I. Kahn. He has worked in the architectural offices of Vincent Kling, Philadelphia; Louis I. Kahn, Philadelphia and Dacca; and Mitchell/Giurgola Associates, Philadelphia and New York. He currently maintains an architectural

practice in State College.

Professor Vollmer has also taught at the East Pakistan University of Engineering and Technology and at Drexel University. His research is concerned with the origins and evolution of early architecture and derivative forms, primarily of domestic vernacular and religious significance.

Limitations on use of interactive computing services announced by University Committee

Editor's note: The following material was provided by the University Advisory Committee on Instructional Uses of the Computer.

Even though the capabilities for providing interactive computing services for academic users have been significantly extended and enhanced by the Computation Center, the growing demand for research as well as instructional uses of interactive systems will place heavy burdens on computing facilities during the 1980-81 academic year. If faculty and students in each of the colleges and at each of the campuses within the University are to have reasonable access to interactive services provided by the Computation Center, it will be necessary to impose certain limitations on the use of interactive systems.

Regular I account authorizations for a course include access to the cardbatch services of the Computation Center and are available upon request to faculty teaching courses at all levels throughout the University. Authorizations to use interactive systems under I accounts will be limited to courses at the 400 and 500 level. Additionally, faculty will be asked to limit their course assignments requiring interactive connections so that the average connection time per student will be no more than approximately 1½ hours per week for each week of the term, including traditional peak usage weeks. To lessen the extreme congestion in usage of Computation Center facilities during the final weeks of the term, faculty will be asked to spread out their course assignments requiring interactive connections more evenly during the 10 weeks of the term.

Public terminals at University Park,

located in Room 225 of the Computer Building, will be available for student I account interactive system use at those hours when the Computation Center is normally operating. Additionally, public terminals in Rooms 222 and 224 of the Computer Building and 2 and 4 of Willard Building will be available to students with authorized I account interactive system connections during regular operating hours after 5 p.m. each day, Monday through Friday, and full days on weekends. Some students may have access to terminals provided by the colleges. Use of these terminals by students is subject to the policies and regulations of the sponsoring academic unit.

I account authorizations for use of Computation Center facilities will continue to be processed through the offices of the Computation Center, Room 225L, University Park. Faculty persons at University Park desiring to have interactive system connections authorized for students in their courses should file the usual application for computer use to establish an I account and should forward a special request for interactive connections to E. R. Melander, Chairman, University Advisory Committee for Instructional Uses of the Computer, Room 117 Old Main. The special request for interactive connections for a course should be forwarded by no later than the second week of the term and should include the number of students, as well as the best estimate that can be provided of average weekly connection time per student and total term connection time per student and is anticipated if students are to complete course assignments requiring interactive connections.



"Ah, Wilderness!" opens a 2½ week run tonight (Sept. 18) at the Pavilion Theater. URTC's first production of the season, the play is Eugene O'Neill's only comedy. Pictured above, lobster in hand, is Walter Atamanuk, who appears as Nat Miller. URTC's box office can be reached by calling 865-1884.

Advance gift drive gets United Way off to good start

Penn State is opening its 1980 fund drive for the Centre County United Way by inaugurating a program of campus advance gift solicitation.

And it seems to have paid off. More than \$4,800 has already been pledged, and campus drive chairman Dr. Richard E. Grubb feels that this and other special campus efforts can make a big difference in meeting the county goal of \$361,000.

"We've instituted several changes that should take us beyond past performances," Dr. Grubb said. "Our major change is in personal contact — people will no longer find a big packet of United Way material in their mailbox to sort through."

Instead, volunteers will talk personally to prospective donors about what the United Way is and does, Dr. Grubb explained. Great care will be taken, however, to avoid "pressure tactics."

Solicitors are urged to be themselves, he said, and explain why they became involved. The emphasis will be on allowing the agency to "sell itself."

Only 15.9 percent of University Park's faculty and staff members participated in last year's drive, Dr. Grubb noted.

"Our assignment will be easier because of our president's commitment," he continued. "Dr. Oswald has long been active in the United Way, and recently chaired a national committee on volunteerism for the agency."

"I've always participated personally in the United Way," Dr. Oswald said. "It's reinforced my optimism in and devotion to our country because it's so uniquely American."

Solicitation will begin Sept. 29, with volunteers working until Oct. 3 in all University departments. Follow-up visits to those not contacted during that week are scheduled for Oct. 6-10.

Advance gift solicitation, done for the first time on campus, was limited to members of the President's staff and the Council of Academic Deans. Dennis Kulchyski, Centre County United Way executive director, says that the new procedure increased the level of giving by 58 percent.

"We're very pleased with the outcome of the advanced gifts," he said. "We hope to use the gifts as a pace-setter for the rest of the campaign."

Campus organizers have set no monetary goals, seeking instead to double the number of faculty and staff contributors. The county goal of \$361,000 represents only a 6 percent increase over last year's goal.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 478-1387). Applications for these staff vacancies will be accepted until 5 p.m., Sept. 25, 1980. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

DIRECTOR OF NUTRITION AND FOOD SERVICES, COLLEGE OF MEDICINE, HERSHEY. Responsible to Hospital Administration for the planning and developing of nutrition and food service program for patients and personnel. Also responsible for therapeutic, educational and research program in nutrition and food service. Requirements include a master's degree in nutrition or food management, plus three to four years of effective experience, preferably in an institution dealing with nutritional and food service.

Senate

(Continued from page 1)

The President also said that he had discussed with the Faculty Advisory Committee the possibility of appointing to the committee persons who do not currently hold senior academic administrative positions.

Reporting on the five-year period during which the University has been operating under PS-23, Dr. Oswald said that 607 individuals had been recommended by the deans to the University Committee for the granting of tenure. The University Committee, in turn, approved 573 of these recommendations, or 94 percent. Of these, 567, or 99 percent, were then approved by the Provost and the President.

During the same five-year period, 239 persons were recommended by their deans for promotion to full professor; 211, or 88 percent, were recommended on by the University Committee; and 195, or 93 percent, were approved by the Provost and the President.

The deans recommended 437 individuals for promotion at the associate professor level. The University Committee recommended 327 of that number, or 75 percent; and of the 327, 318, or 97 percent, were approved by the Provost and the President.

Dr. Oswald noted "what a hard working group" the University Committee is, pointing out that its members had considered 1,283 actions during the past five years. Of those 1,283 cases, including recommendations on tenure and promotion to both full and associate professor status, the University Committee recommended 1,111 or 86 percent; 97 percent of the Committee's recommendations, or 1,080 cases, were approved by the Provost and the President.

Turning to the calendar, Dr. Oswald read the text of a letter which was to be mailed that day to all members of the University community.

Dr. Oswald added that he was following up this letter with one to the Council of Academic Deans, asking them to consult with their individual departments concerning the impact of a conversion to a semester system on a number of specific questions of an academic nature. The deans are to prepare guidelines by next summer for use in a calendar conversion.

Dr. Oswald has also asked the University Council to review activities of a non-academic nature and develop a similar set of guidelines or policies.

A group that includes Provost Eddy, as chairman of University Council, Dr. James Bartoo, as chairman of the Council of Academic Deans, and Senate Chairman Franz will work with Dr. James Dungan of the Office of Planning and Budget to coordinate the various studies.

Reviewing the status of the University's appropriation bill, Dr. Oswald noted that the legislature would return on Sept. 15, and that both parties and the Governor have indicated they will introduce the bills necessary to secure Penn State's full appropriation.

Dr. Oswald pointed out that a great deal of legislative work must be done in a very short time since the legislature will go into recess around Oct. 10-12.

Reading machine to be demonstrated in Pattee

Three demonstrations of the Kurzweil Reading Machine will be conducted on Tuesday, Sept. 23, at Pattee in the lecture room of the General Reference Section on the first floor. Demonstration times are 10 a.m., 2 p.m. and 3:30 p.m.

The Kurzweil Reading Machine has been called the most valuable reading aid for blind people since the invention of Braille, according to Charles H. Ness, assistant dean for Libraries. The machine reads several hundred print styles aloud in easily comprehended synthetic speech at a rate of up to 250 words per minute.

Summer workshop participants convening

At a luncheon meeting last Tuesday (Sept. 9), participants from a summer workshop on instructional strategies shared their progress in incorporating and utilizing workshop materials.

Participants were 44 University Park faculty members and administrators who teach freshmen or are in some way involved in freshman instruction. They represented 25 departments in the Colleges of Arts and Architecture; the Liberal Arts; Human Development; Science; Agriculture; and Health, Physical Education and Recreation.

The two-day workshop, held June 24-25 at the Altoona Campus, was hosted by four Danforth Associates at the University and members of the Office of the Vice President for Undergraduate Studies. The Danforth Associates were Felix L. Lukecz, professor of plant pathology; Arthur K. Anderson Jr., associate professor of architecture; Gordon F. Dejong, professor of sociology; and Vice President Robert E. Dunham.

Dr. Douglas Heath, a professor of psychology at Haverford College, was the featured speaker at the workshop. He is the author of a number of books, among them, *Humanizing Schools and Growing Up in College*, and is best known for his work on the process of maturation in college.

Among the topics discussed by Dr. Heath was changing levels of student preparedness. Variability will increase, he

predicted, and suggested that the needs of students be coordinated with and related to advances occurring in instructional methodology. Professor Heath stressed the expanding role of computers in the instructional process.

Sharing with workshop participants the findings from research he is conducting to try and discover what students learn in college that increases their effectiveness as adults, Dr. Heath reported that the most significant learning experiences in college seemingly are not related to acquisition of specific course content. Rather they are concerned with the psychological dynamics of the whole learning process. Factors such as relationships with faculty members and approaches to problem solving, he commented, are as significant as academic information.

Faculty members at the workshop also exchanged ideas in small group settings. Discussions centered around such topics as ways to help students with academic deficiencies and how to involve students in the learning process when classes are large.

Evaluation forms circulated after the workshop elicited uniformly favorable responses, and participants suggested that opportunities be provided for further exchanges of ideas. A newsletter has been developed, and selected readings are also being circulated to the group on a regular basis. Additional meetings will be held throughout the academic year, including several seminar discussions.

Anglican Bishop to speak at University Park Sept. 19-21

Bishop John A. T. Robinson, a well known theologian and Dean of the Chapel at Trinity College in Cambridge, England, will lecture at the University Sept. 19-21.

An Anglican minister, Bishop Robinson drew the attention of secular and religious publics with a 1963 bestseller, *Honest to God*. He has continued to pioneer in linking religious and secular concerns in his writing and thinking.

His current research considers similarities and differences in Eastern and Western philosophy and religion.

Elsewhere in Academe

The recession is taking its toll on state funds for higher education nationwide, according to a recent survey made by the *Chronicle of Higher Education*. In Oregon, the Governor has ordered the state's public colleges and universities to prepare for a 30 percent cut in state support. In Michigan, hard hit by auto plant layoffs, the legislature has not passed a budget, and the public colleges and universities are starting their fiscal years without any firm fiscal assumptions. The University of Michigan has adopted a budget based on the premise that state appropriations will be increased by 3 percent, but its board of regents has prepared a number of contingency plans, including a hiring freeze.

In Arkansas, appropriations for higher education were cut by 8.4 percent for 1980-81, while falling revenues in Ohio have necessitated a cut of 3 percent for all state agencies, including the public colleges and universities. The University of Wisconsin-Madison hopes to save \$500,000 this year by halting the purchase of library books, part of its effort to absorb a 4.4 percent cut in appropriations. And in Iowa, the three state universities have been ordered to absorb a 3.6 percent funding reduction.

In the world of academe, the most stress and least job satisfaction — as exemplified in feelings of anxiety, depression and insomnia — are experienced by married female and unmarried male faculty members, according to a study conducted by researchers at the University of North Carolina-Greensboro and Western Illinois University.

"The Eastern Challenge to Christianity" will be the title of his lecture on Friday, Sept. 19, at 4 p.m. in Room 112 Kern Building.

On Sunday, Sept. 21, Bishop Robinson will speak on "Viewing Jesus from a New Perspective" in the morning message of the University Chapel Service in Eisenhower Chapel at 11 a.m.

Bishop Robinson's talks are being sponsored by the Graduate School, the Office of Religious Affairs, and the Science, Technology and Society Program.

Among the 681 faculty members surveyed, 40.3 percent of the sample said they experienced feelings of anxiety; 56.4 percent of the single men and 49.9 percent of the married women noted these feelings, as compared to 46.3 percent of the unmarried women and 35.9 percent of the married men.

More than a third of the faculty members in the study said they suffered from depression. The figure among single men was 48.9 percent, compared to 37 percent of both married and unmarried women and 32 percent of the married men.

Insomnia was the lot of 41 percent of the single men, and 36.7 percent of the married women, as opposed to 29.6 percent of the single women and 23.6 percent of the married men.

However, academics in the sample said they experienced fewer stress-related symptoms than reported by the general population.

One of the researchers, Lynne S. Koestel, noted that both married women and single men "are pursuing a career without the assistance of a faculty wife to provide support at home and in terms of career development."

The Census Bureau reports that last Fall more than a third of all college students — 33.6 percent of the men and 37.8 percent of the women — were age 25 or older. Most of the older students were enrolled part time. About a sixth of all full-time students were at least 25.

Penn State Intercom



Stacked stools and easels in Visual Arts studio provided a built-in abstraction for photographer Scott Johnson.

News in Brief

Ultrasound lab for eye diseases established at Hershey

Hershey has established the first full-service diagnostic ultrasound laboratory for eye diseases in central Pennsylvania, under the directorship of Dr. Barton L. Hodess, professor of surgery and chief of ophthalmology.

Nancy Weyer has been named coordinator and chief technician of the laboratory. Dr. Hodess points out that she is one of only two technicians in the nation trained to do this work.

A-scan ultrasonography, according to Dr. Hodess, is the most sensitive and accurate ultrasonic diagnostic technique for examining the eye and orbit for the diagnosis of tumors, retinal detachments, and other eye diseases. Until now, the only two centers in the United States recognized as authoritative referral bases for such diagnosis have been the University of Iowa and Northwestern University. Dr. Hodess established the service at Northwestern.

Dr. Hodess explains that the high-frequency sound waves produced by ultrasound cause echoes on an oscilloscope screen in much the way an x-ray is used to review the inside of the body. Ultrasound has the advantage of generating no radiation and is capable of demonstrating structures which cannot be visualized by any other conventional type of study.

All vehicles must show new parking stickers by Oct. 1

Faculty and staff members are reminded that new parking bumper stickers must be displayed on their vehicles by Oct. 1. Vehicles parked on campus without the new stickers will be in violation of parking rules and regulations and will be subject to regulatory tickets.

Anyone who has not received a new sticker should contact the college or

department parking representative or the University Parking Coordinator at 865-1412.

Energy costs at U.P. were \$6 million during 1979-80

The University Park Campus spent nearly \$6 million on energy during the 1979-80 academic year, according to Ralph E. Zilly, vice president for business and chairman of the Executive Energy Conservation Committee.

"We spent \$112,000 more for energy, an increase of 1.9 percent over last year," Mr. Zilly noted, "despite the fact that we actually used 5 percent less energy than in 1978-79."

Since concerted energy conservation measures began at Penn State in 1974, more than \$21 million in energy costs have been avoided through physical improvements to campus building systems and increased public awareness of the problem.

"That's not money you can point to and touch," explains J. Carroll Dean, manager of energy conservation programs for the University. "It's an estimate of what we would have spent had nothing been done about energy conservation from 1974 until today."

Despite the fact that building space at University Park has increased by approximately 8 percent since 1973 and that facilities are used by 12 percent more students, only 2.5 percent more kilowatt hours of electricity were used by the University last year than in 1973.

"Still, our conservation performance index for 1979-80 was not quite as good as the year before," Mr. Dean notes. "So there is definitely room for improvement through individual conservation efforts."

The yearly perfer use which takes into account the severity of the weather and the amount of building space.

Mr. Dean notes that coal prices have more than doubled since 1973. Oil prices are more than five times higher than seven

years ago, and natural gas prices are more than four times higher.

Assistant marshalls needed

Two additional assistant marshalls are needed to serve at University commencement exercises and at the annual Honors Convocation. Any faculty members interested should call the University's Marshall, Dr. Barnes McCormick, at 865-2569.

Faculty Women's Club to hold annual Fall reception

The Faculty Women's Club annual Fall reception will be held from 7:30 to 9:30 p.m. at the Kern Graduate Center. All faculty women and wives of Penn State faculty members are invited.

Persons attending the informal cheese and cider party will be able to sign up for the various service and interest groups sponsored by Faculty Women's Club. The latter include a housing referral service, the Penn State Greeters, and reading for the blind.

Among the interest groups are aerobics, antiques, book and play review, book discussion, bowling, bridge, cross-country skiing, dinners for eight, finance for women, French, German, golf, hiking, international cuisine, knitting and crocheting, luncheons for six, needlecraft, and platform tennis.

Hort Show theme honors Penn State's 125th year

"Horticulture. Yesterday's Seeds Growing Today" is the theme of the 67th annual Horticulture Show, in honor of Penn State's 125th anniversary.

Planned and put together by horticulture students, the show will be held in two huge circus tents located in the University flower gardens on Saturday, Sept. 27, from 10 a.m. to 9 p.m. and on Sunday, Sept. 28, from 10 a.m. to 4 p.m.

Solicitation for United Way to begin Sept. 29

The United Way campaign for University Park's nearly 7,000 faculty and staff members will begin Monday, Sept. 29, with the goal of doubling the number of contributors this year.

"The emphasis will be on personal solicitation," said Dr. Richard E. Grubb, senior vice president for administration and chairperson of the University Park campaign. "Several hundred volunteers will approach individuals, giving them an opportunity to participate in United Way — the only charitable payroll deduction plan authorized by the University."

Last year, only 15.9 percent of University Park's faculty and staff members gave to the United Way. "Most other large universities similar to Penn State," Dr. Grubb said, "have a much higher participation rate."

Dr. Grubb points out that individuals will no longer have to sift through a bulky mailing to determine how to give an appropriate response. Solicitors will contact their peers in person to deliver envelopes containing a United Way brochure, contribution card, and return envelope. The solicitors are prepared to answer questions about United Way.

An individual wishing to use the payroll deduction plan should fill out the left-hand side of the card and return it to the solicitor in the sealed return envelopes, thus insuring confidentiality.

An individual making a direct payment should fill out the right-hand side of the card. Direct payments can also be made in installments.

Persons not wishing to participate should mark "no" on the bottom of the card and include their names and social security numbers. This action will eliminate further reminders.

Return envelopes are pre-marked with the number 502, the code for Centre County United Way. If an individual wishes to give to another United Way, he or she should ask the solicitor for the code number for the area wanted and mark it in the space on the left-hand side of the card.

During the week of Sept. 29, the sealed envelopes will be channeled to the Office of Campus Relations, which will deliver them unopened to the Centre County United Way.

During the week of Oct. 6, solicitors will distribute cards to persons who were not available the first week. These will be picked up on Oct. 10 and sent through to the County office.

Dr. Grubb notes that an advance solicitation of the President's Staff and the Council of Academic Deans has generated \$4,480 toward this year's campaign, an increase of 58 percent over last year.

Money raised during this year's campaign will be used to support the 27 health, social welfare, and educational agencies supported by the Centre County United Way.

The evolution of horticulture from the 1800s to the present will be depicted, with both old-fashioned and modern garden areas, a patio garden, a vegetable garden and a hydroponics exhibit with plants growing in nutrient solutions.

A sales area will dispense fresh apple

(Continued on page 4)

Penn Staters

The Women's Sports Foundation honored Dr. Dorothy V. Harris as the individual making the outstanding contribution to women's sports at Sept. 16 ceremonies in New York, which also marked the inauguration of the Women's Sports Hall of Fame. Dr. Harris is professor of physical education and director of the Center for Women and Sports at the University.

The Foundation chose Dr. Harris "because of major research projects which have dispelled myths relating to women in sports; for organizing the first National Research Congress on Women's Sports in 1972; for hundreds of lectures, articles and papers... which have provided the rationale for the development of women's sports programs; for developing the first research center for women in sports; for being the first to generate sports medicine research using women as subjects; and for internationally promoting the importance of sports for women."

A short story, "The Man Who Threw His Life Away," by Thomas Rogers, professor of English, appears in the September issue of *Esquire*. Dr. Rogers' novel, *At the Shore*, will be published this Fall by Simon and Schuster.

Photographs by Wendell MacRae are on exhibit in the Witkin Gallery in New York City through Oct. 18. The photographs were taken between 1927 and 1949, many of them during the period when Mr. MacRae worked as a commercial photographer. He joined the Department of Public Information in 1952 as publications production manager and retired in 1966 from Pattee, where he was assistant to the curator.

Dr. Inyong Ham, professor of industrial engineering, spent much of August in Australia. There he presented a paper, "Current Trends and Future Prospects of Group Technology Applications for Integrated Computer-Aided Manufacturing," at the International Conference on Manufacturing Engineering held in Melbourne. While in Melbourne, Dr. Ham gave an invited special seminar on "Group Technology" at the Mechanical Engineering Department of Monash University. He also conducted four workshop-seminars on "Computer-Aided Manufacturing," "Coding," "Classification," and "Scheduling" at the University of Sydney and at the Swinburn College of Technology in Melbourne.

Dr. Joan Mandl, assistant professor of sociology at Delaware County, delivered a paper, "The Impact of Increasing Numbers of Women Workers on the Nature of Work and Family Life," at the Joint Sociological Research Seminar on Women and Work in Bulgaria and the United States. The seminar was held in Sofia.

During the course of an eight-week stay in Portugal last Summer, Dr. Joan C. Searies, assistant professor of English at Altoona, presented lectures and seminars on American poetry at the Universities of Lisbon, Aveiro and Minho.

Dr. Louis Hass, associate professor of biological chemistry at Hershey, has been appointed an Honorary Research Fellow of the University of Aberdeen, Scotland, beginning Oct. 1. While working in Scotland, he will receive research support from the Medical and Science Research Councils of the United Kingdom. He is seeking to elucidate the characteristics of those enzymes that regulate phosphoglycerate metabolism in human red cells.

Dr. Edward J. Massaro, director of the Center for Air Environment Studies and professor of veterinary science, has been invited to serve as a member of the editorial board of the *Journal of Toxicology and Environmental Health*.

Symposium to honor Patton on his retirement



Dr. Stuart Patton, who retires Oct. 1 as Evan Pugh professor emeritus of agriculture at the University, will be honored Oct. 2 by a symposium memorializing one of his former students, the late Edgar Alan Day.

About 70 of Dr. Patton's friends and colleagues from out of town, as well as many from State College, are expected to attend the symposium, commemorating Dr. Patton's 32 years at Penn State.

Five of Dr. Patton's scientist colleagues will discuss the past, present and future implications of his research, much of it pioneering work on milk—particularly the biochemistry of its synthesis and secretion. Because of the importance of the mammary gland as a model of how other glands work, Dr. Patton's studies have been of vital interest to medical researchers investigating the causes of such diseases as cancer and diabetes.

The symposium honors the memory of the late Dr. Day, who received his M.S. and Ph.D. degrees in dairy science from Penn State in 1955 and 1957. After teaching at the University of Maryland and at Oregon State University, he was executive vice president of International Flavors and Fragrances in Union Beach, N.J. This company has made practical use of some of Dr. Patton's pioneering milk flavor studies.

Speaking at the E.A. Day Memorial

Symposium in Kern Auditorium from 1:30 to 4 p.m. Oct. 2 will be: Dr. Ira Katz, a vice president of International Flavors and Fragrances, on flavor chemistry; Dr. M.P. Thompson, a research scientist at the U.S. Department of Agriculture, on food chemistry; Dr. J.E. Kinsella, a Cornell University professor, on lipids; Dr. T.W. Keenan, a Purdue University professor, on cell biology; and Dr. E.G. Trams, a National Institutes of Health scientist, on marine biology.

A reception will follow at Gatsby's.

Dr. Patton, an internationally renowned scientist, is a 1943 Penn State graduate with a B.S. in dairy science. After working as a chemist for the Borden Company and serving as a U.S. Navy officer during World War II, he received his M.S. and Ph.D. degrees from Ohio State University in 1947 and 1948.

In January 1949, he joined the Penn State faculty as an assistant professor of dairy manufacturing. He was promoted to associate professor of dairy science in 1953, to professor of dairy science in 1959, and was honored with the Evan Pugh title in 1966.

In 1957, he received the American Chemical Society's coveted Borden Award in the Chemistry of Milk; and in 1975 he won the ACS's Award for Distinguished Achievement and Service in Agricultural and Food Chemistry.

This Fall, he was honored with the Senior U.S. Scientist Award of the Federal Republic of Germany's Alexander von Humboldt Foundation. Dr. Patton, his wife, the former Colleen Lavelle, and three of their seven children will spend six months in Germany, beginning next June.

In La Jolla, Calif., where Dr. Patton will conduct research at the University of California's School of Medicine. He will continue also his long-standing research with the Scripps Institution of Oceanography, operated by the University of California at San Diego.

Since 1965, Dr. Patton has participated in three voyages on the Scripps Institution's research vessel, *Alpha Helix*, studying lipid metabolism in spawning salmon.

Obituary

Sybil D. Emerson, professor emerita of art education, died Sept. 15 in her home in McMinnville, Ore. She was 88.

Born in Worcester, Mass., Professor Emerson earned B.A. and B.S. degrees at Ohio State University and studied in art schools in New York, San Francisco and Paris. Prior to her appointment to the University's faculty in 1942 as an instructor in the then College of Home Economics, she taught at New York City and San Francisco high schools and at Dickinson Junior College in Williamsport. She was the first staff member hired by Viktor Lowenfeld for the Department of Art Education when he came to Penn State in 1946. Professor Emerson retired in 1957.

Her career included free-lance designing, decorating, painting, textile design and the illustrating of children's books. One of her major works is the 12 x 28 foot dossier which hangs behind the altar in the All-Faith Chapel of the Helen Eakin Eisenhower Chapel.

October is month to make changes in VADD coverage

Since 1964, the University has offered a voluntary plan for accidental health and dismemberment insurance to all regular faculty and staff members. The plan provides optional amounts of insurance ranging from \$10,000 to \$150,000 and also provides accidental death and dismemberment coverage for dependents.

The month of October is the period when membership or coverage in this plan may be changed. One or more of the following actions may be taken during the month: (1) change the dollar amount of insurance coverage; (2) change from individual coverage to family coverage or vice versa; (3) enroll in the plan as a new member; (4) withdraw from the plan.

To accomplish any of the above changes, obtain a VADD enrollment card from your personnel representative or business manager, complete it and send it to the Employee Benefits Division, Room 133 Willard Building, by Oct. 31. All changes received by that date will become effective Nov. 1.

If you wish to check your present coverage, examine the section of your paycheck stub marked "VADD." The deduction will indicate the amount of coverage you have.

Coverage	Monthly Deduction	Biweekly Deduction
\$ 10,000	\$.41 single \$.63 family	\$ 19 single \$ 29 family
\$ 25,000	\$1.03 single \$1.58 family	\$ 48 single \$ 73 family
\$ 50,000	\$2.05 single \$3.15 family	\$ 95 single \$1.45 family
\$100,000	\$4.10 single \$6.30 family	\$1.90 single \$2.90 family
\$150,000	\$6.15 single \$9.45 family	\$2.85 single \$4.35 family

If you are unable to check in this manner, information about your coverage may be obtained from the Employee Benefits Division.

No action is needed to continue your current coverage without change.

Cohen to deliver Nelson W. Taylor lectures

Dr. Morris Cohen, internationally recognized metallurgist and recipient in 1977 of the National Medal of Science, will serve as the 1980 Nelson W. Taylor Lecturer in Materials Science.

He will present two lectures, "Materials in World Affairs," at 7:30 p.m., Monday, Sept. 29, and "On the Nature of Martensitic Transformations," at 4 p.m., Tuesday, Sept. 30. Both talks will be given in Room 26 Mineral Sciences Building.

An informal reception honoring Dr. Cohen will be held at 3 p.m. on Sept. 30 in the Earth and Mineral Sciences Museum and Art Gallery in Steidle Building.

The Taylor Lectures, sponsored by the Department of Materials Science and Engineering, honor the memory of the man who served as head of the then Department of Ceramics from 1933 to 1943. The lectures are supported by the Nelson W. Taylor Fund established by his widow after Dr. Taylor's death in 1965.

A member of the National Academy of Sciences and the National Academy of Engineering, Dr. Cohen has been a leader in studies of phase transformations in materials. He is particularly known for his pioneering work on the martensitic transformations in steel, and he has stimulated research along these lines to the extent that he is credited with making basic advancements in metallurgical knowledge.

During World War II, he was associate director of the Manhattan project at the Massachusetts Institute of Technology, where he is now institute professor emeritus.

He has received awards from numerous professional organizations, including the Japan Institute of Metals, the American



Society for Metals (ASM), the American Institute for Testing and Materials, and Sigma Xi. He is a fellow of the ASM, the Metallurgical Society of AIME, and the American Association for the Advancement of Science, and is an honorary member of the British Metals Society and institutes for metals in Japan, India, and Korea. He served as ASM president in 1969-70, and as chairman of the Survey of Materials Science and Engineering of the National Academy of Sciences in 1970-75.

After receiving his B.S. and D.Sc. from MIT, he joined the faculty there in 1936, becoming Ford Professor of Materials Science and Engineering in 1962, and institute professor in 1975. He has honorary doctorates from the Royal Institute of Technology, Stockholm, Sweden, and the Israel Institute of Technology, Haifa, Israel.

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University Park Calendar

Sept. 25 - Oct. 5

Special Events

Thursday, Sept. 25
Board of Trustees meeting, Keller Bldg.
Pass-Fall
IAHS: John Wustman gives a master class for singers and pianists on the art of accompanying. 1 p.m., Music Bldg. Recital Hall.
Cinemaque, *The Charge of the Light Brigade*, 6:30 and 9 p.m., HUB Assembly Hall.
URTC, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre.

Friday, Sept. 26
Board of Trustees meeting, Keller Bldg.
Pass-Fall
Meal sales, 1:30 p.m., Univ. Meat Labs. Every Friday during Fall Term.
Sports: j.v. football vs. Milford Academy, 2 p.m.; soccer vs. Cleveland State, 4 p.m.; tennis (women) vs. Princeton, 6 p.m.
Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Andreas Grotewold, geography, Slippery Rock State College, on "Regional Theory of World Trade."
Commonsplace Theatre, *The Hustler*, 6:30 and 9 p.m., Room 112 Kern.
CSA film, *Three Days of the Condor*, 7 and 9 p.m., Room 105 Sparks.
Fred Waring and the Young Pennsylvanians, 8 p.m., Eisenhower Auditorium.
URTC, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre.
"Beat Nebraska" pep rally, 8:30 p.m., Rec. Hall.

Saturday, Sept. 27
Sports: tennis (women) vs. Ohio State, 8 a.m.; cross country (women) vs. Michigan State and Maryland, 10 a.m.; football vs. Nebraska, 1:30 p.m.
Hort Show, "Horticulture: Yesterday's Seeds Growing Today," 10 a.m.-9 p.m., Flower Gardens.
France Cinema, *Serrou, Pourquoi Pas?*, 7 and 9 p.m., Room 112 Kern.
CSA film, *Three Days of the Condor*, 7 and 9 p.m., Room 105 Sparks.
URTC, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre.

Sunday, Sept. 28
Sports: tennis (women) vs. Virginia and Harvard, 9 a.m.; baseball vs. Indiana (Pa.) (DH), 1 p.m.
Hort Show, 10 a.m.-4 p.m., Flower Gardens.
Sale of exhibition material, 4 p.m.
University Chapel Service, 11 a.m., Eisenhower Chapel.
Rev. Donald Nolder, St. Paul's United Methodist Church, State College, speaker.
Artist Series, *A Chorus Line*, 3 and 8:30 p.m., Eisenhower Auditorium.
Commonsplace Theatre, *The Hustler*, 6:30 and 9 p.m., Room 112 Kern.
CSA film, *Three Days of the Condor*, 7 and 9 p.m., Room 105 Sparks.
UCC, Poco, 8 p.m., Rec. Hall.

Monday, Sept. 29
Dead deadline.
Preregistration deadline for Winter Term.
Pass-Fall.
Course repeat deadline.
Adult Ed. Brown Bag Luncheon, 12:30 p.m., Room 101 Kern. Discussion of "Certification and Accreditation."
Alas! String Quartet recital, 12:45 p.m., Room 112 Kern.
France Cinema, *Pourquoi Pas?*, 7 and 9 p.m., Room 112 Kern.
Sports: soccer vs. St. Louis, 7:15 p.m.
College of Earth and Mineral Sciences, Nelson W. Taylor Lecture in Materials Science, 7:30 p.m., Room 26 Mineral Sciences. Morris Cohen, MIT (emeritus), on "Materials in World Affairs."

Tuesday, Sept. 30
Comp. Lit. Luncheon, 12:15 p.m., talk, 1 p.m., Room 204 HUB. Patricia Ward, Kathryn Grossman and Wendy Greenberg, French and comp. lit., on "Contemporary Criticism and the Literary Canon: Victor Hugo's *Notre Dame de Paris*."
Lecture in honor of Dr. Morris Cohen, 3 p.m., E & MS Art Gallery, Steidle.
Sports: field hockey vs. Slippery Rock, 3 p.m.; volleyball (women) vs. East Stroudsburg, 7 p.m.

Comp. Lit. Film Series, Antonioni, *Blow Up*, 7 and 9 p.m., Room 112 Kern.
Faculty Women's Club Fall Reception, 7:30-9:30 p.m., Kern Bldg.
Artist Series film, *Bolshoi Ballet, Swan Lake*, 8 p.m., Eisenhower Auditorium.
URTC, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre.

Wednesday, Sept. 30
Black Film Series, *Story of a 3-Day Pass*, 7:30 p.m., Robeson Center.
Focal Film Series, *Blood of the Condor* (Bolivia), 7:30 and 9:30 p.m., Room 104 Chambers.
URTC, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre.
Musica da Camera, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, Oct. 2
Kern/WPSX-TV, *Cosmos*, noon, Kern Lobby.
Sigma Xi tour to Hershey. Vans depart Kern at 12:30 p.m.
E.A. Day Memorial Symposium in Food Science, in honor of Dr. Stuart Patton, Evan Pugh professor of agriculture, on his retirement, 1:30 p.m., Room 112 Kern.
Cinemaque, *Mean Streets*, 7 and 9 p.m., HUB Assembly Hall.
Robeson Cultural Center, "Focus on Southern Africa," 8 p.m., Walnut Bldg.
URTC, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre.

Friday, Oct. 3
Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Kenneth Thigpen, English, on "The Image of America in European Folklore."
CSA film, *Bridge on the River Kwai*, 6 and 9 p.m., Room 105 Sparks.
SFO film, *Lester, Robin and Marian*, 7 and 9 p.m., HUB Assembly Hall.
Sports: volleyball (women) vs. Georgetown, 7 p.m.; soccer vs. Fordham, 7:15 p.m.
URTC, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre.
Artist Series, The Long Wharf Theatre, *Private Lives*, 8:30 p.m., Eisenhower Auditorium.

Saturday, Oct. 4
Last date for Nov. graduates to deliver doctoral theses.
Sports: volleyball (women), Penn State Classic; field hockey vs. Rutgers, 1 p.m.
CSA film, *Bridge on the River Kwai*, 6 and 9 p.m., Room 105 Sparks.
URTC, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre.

Artist Series, The Long Wharf Theatre, *The Lion in Winter*, 8:30 p.m., Eisenhower Auditorium.

Sunday, Oct. 5
HUB Café Center registration for second session classes, noon-5 p.m., Room 312 HUB, through Oct. 13.
CSA film, *Bridge on the River Kwai*, 6 and 9 p.m., Room 105 Sparks.

Seminars

Thursday, Sept. 25
Ceramic Science, P. Bartholomew, Corning Glass, on "Water in Glass," 11 a.m., Room 301 Steidle (new listing).

Air Pollution Control, Julian P. Hecklen, chemistry, on "The Removal of Atmospheric Gases by Particulate Matter," 2:20 p.m., Room 69 Willard (new listing).

Computer Science, Ed Scire, SUNY Stony Brook, on "A Consolidation of Database Design Models," 4 p.m., Room 325 Whitmore (new listing).

Friday, Sept. 26
Physical Chemistry, Paul Dagdigan, Johns Hopkins Univ., on "State Resolved Inelastic Scattering of LH₂," 2:30 p.m., Room 333 Whitmore.

Monday, Sept. 29
McSB, Peter F. Davies, Harvard Medical School, on "Endocytosis, Growth Control and Macromolecular Targeting in Cultured Cells," 4 p.m., 101 Althouse.

Tuesday Sept. 30
Solid State Physics, P. Platzman, Bell Labs., on "Electronic on the Surface of Liquid Helium: Realization of a Two-Dimensional World," 11 a.m., Room 339 Davey.

McSB, Peter F. Davies, Harvard Medical School, on "Endocytosis, Growth Control and Macromolecular Targeting in Cultured Cells," 11 a.m., 101 Althouse.



Rev Robbins and Barbara Schmers appear in Long Wharf Theatre's Oct. 3 production of "Private Lives."

Biology, Charles E. Holt, MIT, on "A Gene Controlling Differentiation in *Physarum polycephalum*," 11:10 a.m., Room 117 Borland.

Nelson W. Taylor Lecture in Materials Science, Morris Cohen, MIT, on "On the Nature of Martensitic Transformations," 4 p.m., Room 26 Mineral Sciences.

Thursday, Oct. 2
Chemistry, Richard van Duyn, Northwestern Univ., on "Recent Developments in Surface Raman Spectroscopy," 12:45 p.m., Room 333 Whitmore.

Air Pollution Control, James K. Hambright, Bureau of Air Quality Control, DER, Harrisburg, on "Interstate Impact of Air Pollution," 2:20 p.m., Room 69 Willard.

Mathematics, Rodney Baxter, Australian National Univ. and SUNY/Stony Brook, on "The Hard Hexagon Model and the Rogers-Ramanujan Identities," 3 p.m., Room 112 Osmond.

Physics, John Sico, Cornell Univ., on "Microscience," 3:50 p.m., Room 445 Davey.

Fuel Science, E.L. Fuller, Oak Ridge National Laboratory, on "Thoughts on the Structure of and Porosity in Coal," 4 p.m., Room 301 Steidle.

Friday, Oct. 3
Physical Chemistry, Jerzy Blaziejowski, PSU, on "Photochemistry of Phosphines," 2:30 p.m., Room 333 Whitmore.

Mathematics, Richard Askey, Univ. of Wisconsin, on "Some Useful Sums and Integrals Connected with Orthogonal Polynomials," 4 p.m., Room 112 Osmond.

Exhibits

Chambers Gallery: Bonnie Deutsch, jewelry, and Maria Da Gracas Moreira Ramon, oil paintings.

Kern Gallery: Alfred Charley, bronze sculpture, through Sept. 26; Roy Vollmer, architect, through Oct. 3. *Collegian* photography, opens Sept. 30; Jean Giddings, weavings, and Jeff Mathison, drawings, both open Oct. 4.

Museum of Art: Sidney Goodman, paintings, drawings and graphics, 1959-1979; highlights from the permanent collection, through Oct. 5.

Pattee Library: Founding a University: The Pennsylvania State University's 125th Anniversary, East Corridor Gallery. Mary Stockrocki, photographs of the Mid-East, through Sept. 29; Liang Dan-Fong, Chinese paintings, Sept. 22-24. Lending Services Lobby. Denise Arner, handbuilt pottery, through Sept. 29. Main Lobby.

Paul Robeson Cultural Center: The Frederick Douglass Years, through Oct. 5.

Visual Arts Bldg. Zoller Gallery: Herbert Katzman, drawings and preparatory sketches for frescoes, through Sept. 28; School of Visual Arts Faculty Exhibit, opens Oct. 2.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Ticket sale opens for Long Wharf's "Private Lives"

The Long Wharf Theatre's production of Noel Coward's romantic comedy, *Private Lives*, will be presented at 8:30 p.m. on Friday, Oct. 3, at Eisenhower Auditorium under the sponsorship of the Artists Series.

The performance will mark the first appearance in this area by the New Haven, Conn., theatre whose plays and productions over the past 15 years have won Pulitzer Prizes, Tony Awards, New York Drama Critics' Circle Awards, Drama Desk Awards and many other honors. Long Wharf's current tour, the most extensive ever mounted by an American resident theatre, will take the company to 31 states.

Written in four days while Coward was bedded in a Shanghai hotel room recovering from a bout with influenza, *Private Lives* is generally regarded as the most enduring — and the funniest — of the celebrated British playwright's works.

The 1930 comedy unfolds at a resort hotel in the south of France where Elyot Chase and Amanda Fyenne, formerly husband and wife, meet unexpectedly for the first time since their divorce. Complicating the reunion is the fact that both have remarried and are currently honeymooning with their new spouses, Sybil and Victor. Elyot and Amanda are at first infuriated by this chance meeting.

Anger gradually turns to nostalgia, as their old love is rekindled. The inopportune chance meeting turns the dual honeymoons into a comic nightmare as Elyot and Amanda realize with mounting horror that not only do they still love each other but also that their second marriages are a terrible mistake.

Tickets for the Long Wharf Theatre on Tour production are available on Mastercard and VISA by calling 863-0255 beginning today (Sept. 25). The HUB Booth and Eisenhower Auditorium box office will be open at 9 a.m. on Tuesday, Sept. 30.

Kern to rescreen "Cosmos" series

Viewers who miss WPSX-TV's showing of Carl Sagan's *Cosmos* series will get a second chance to watch any or all of the 13 programs when they are screened in the Kern Graduate Commons.

Showings will be held each Thursday at noon, beginning Oct. 2 and continuing through Jan. 15.

Using lavish special effects, *Cosmos* will cover such topics as spacecraft missions of discovery to the planets, black holes, the origin of matter, alternate universes, time travel, the death of the sun and life on other worlds.

One sequence will recreate the library of ancient Alexandria, whose destruction, according to Dr. Sagan, may have postponed the Renaissance by a thousand years.

Dr. Sagan, who received the Pulitzer Prize for his book, *The Dragons of Eden*, is director of the Laboratory for Planetary Studies and David Duncan Professor of Astronomy and Space Sciences at Cornell University. In 1978, he delivered the first A. Dixon Johnson Memorial Lecture in Science Communication at the University.

The School of Music — trying to hit the right notes for the '80s

Three years after Maureen Carr took over as director of the Music Department at Montclair State College, she had made enough of an impact on the competitive East Coast music scene to elicit an interview and photograph of herself in the Sunday New York Times.

The article focused on her ability to recruit outstanding faculty on a tight budget — a preoccupation she has not shed since assuming the directorship last fall of Penn State's newly created School of Music.

"Speaking frankly," she says, "when I was first approached about interviewing at Penn State, I wondered if I could adjust to living so far from New York. But I'm finding that the combination of a research university located in a stable environment offers the best of all worlds."

Dr. Carr lists four priorities in her efforts to help build a comprehensive music school in the College of Arts and Architecture. They are faculty recruitment and development, student recruitment, curriculum revision and community outreach.

Confronted by academe's twin problems of the '80s — decreased faculty mobility and declining enrollments — Dr. Carr has turned to part-time instructors to broaden the School's offerings. Over the past year, she has recruited three members of the Pittsburgh Symphony Orchestra to offer master classes and private instruction. They are Leonard Sharov, principal bassoonist; Robert Hamrick, co-principal trombonist; and Eldon Gatwood, principal oboist. Another part-timer is saxophonist Kenneth Radnosky of the New England Conservatory of Music, who also freelances with the Boston Symphony and the Santa Fe Opera Company.

The music theory program has been bolstered by the addition of a full-time faculty member, Anthony Walls, currently acting editor of the *Journal of Music Theory*. Jeanne Swack, who has been hired to teach flute and music history, has two degrees in flute performance from the University of Southern California and is working on a third degree there in music history. And a new program in guitar is being offered by Lawrence Rich, a recent graduate of the Peabody Conservatory of Music.

Dr. Carr sees a definite linkage between the quality of the School's faculty members and success in student recruitment, a project that has occupied much of her attention since she arrived at Penn State. The results of the first year's effort are encouraging — undergraduate enrollments have risen approximately 20 percent.

An aggressive recruiting campaign has included the development of a lively fold-out poster ("At the new Penn State School



Dr. Carr with two of the School's 15 new pianos.

of Music, we're playing your song"), which was sent to high schools across the Commonwealth and to 600 seniors whose names were obtained by buying SAT lists. Faculty members pitched in by calling personally more than 200 students who had written Penn State's Admissions Office for information about music programs. And players in both faculty and student ensembles helped increase the School's visibility by giving performances at high schools across the State.

Dr. Carr believes that the Summer workshops offered through Continuing Education in the College are particularly valuable in recruiting because "talented high school students, along with a number of teachers, get to see what we can offer."

The School of Music came into being with the merger of the Departments of Music and Music Education in Spring 1979. About one third of its approximately 150 undergraduate students are majoring in music history, theory and composition; one third are in music education, and the remainder are in performance. Dr. Carr would like to see undergraduate enrollments grow to about 200 or 250 students.

"Of course we're always on the lookout for outstanding performers and composers who are enrolled in other colleges of the University," she says. "About 80 percent of the students in our various choral and instrumental ensembles are majoring in fields other than music. We're also happy to accommodate dual majors — one of our current students is combining engineering and violin."

About 40 full-time students pursue graduate work in music, a figure Dr. Carr considers "fairly healthy for our program." During the Summer, the number doubles with the return of music education professionals from public school jobs.

A top priority for music faculty

members at this time is curriculum revision, in keeping with the new standards set by the National Association of Schools of Music. NASM is an accrediting body, in which the School of Music was elected recently to associate membership.

With the advent of BDR III, the School of Music has joined its sister arts departments in broadening offerings for non-majors. A course, "Music in Interesting Times," launched during Spring Term, brought in guest lecturers weekly to discuss topics ranging from "The Black Music Scene" to the uses of music in therapy.

This Fall, an experimental course, "Live Performance of the String Quartet," has been instituted, with co-sponsorship by the Kern Graduate Commons. Featuring the Alard Quartet, the course is open not just to students but to all interested listeners who care to sit in on the Monday-Wednesday fourth period sessions. Dr. Carr is looking ahead to next Spring when she hopes the School can offer a live performance in jazz course.

Such courses are part of the School's outreach to the community, which Dr. Carr believes essential. Faculty performances, the crucial component in this outreach, also assist in faculty development.

"Faculty members in performance need to get recognition in the form of reviews," Dr. Carr says. "That's their equivalent of scholarly work. All of our ensembles, choral and instrumental, showcase the School."

Accordingly, the Alard Quartet will face the New York critics this Winter with a performance at Carnegie Hall. In addition, the members of the Quartet will premiere a new work by Ezra Laderman — specially commissioned for them by the Institute for the Arts and Humanistic Studies — in a February performance with the Pittsburgh

Symphony at Heinz Hall. Faculty members in non-performing areas are also in the process of developing research proposals.

"We've had marvelous support during the past year," Dr. Carr says, "both within the College from the Dean and his staff and from the Provost's Office. They've helped us get funding to start up our graduate student Atherton String Quartet, to purchase badly needed ensemble parts and study scores for our library; and to buy new instruments, among them 15 pianos."

During the 10-hour days which she routinely puts in, Dr. Carr has succeeded in getting a number of other projects underway, among them:

- Two weekly Music Common Hours (Tuesday-Thursday from 1-2 p.m.) to give students the chance to perform before live audiences;
- A greatly expanded Pittsburgh Symphony Orchestra residence;
- Exchange programs with other schools, in which, for example, the Alard performed at Montclair State College and the Montclair Piano Trio gave a concert at University Park;
- A joint project with Department of Theatre and Film to put on an opera workshop during Winter Term, and
- The formation of a chamber reading choir to present both new and old music.

Dr. Carr hopes also to be able to increase the School's scholarship endowment funds, and she would like to be able to take fuller advantage of visits to campus by musicians who could offer master classes.

A music theorist with a doctorate from the University of Wisconsin-Madison, Dr. Carr has been doing research employing contemporary analytic techniques; she used an IAHF fellowship grant in August to study Beethoven manuscripts in Vienna and Bonn. She also maintains an involvement in professional associations, serving as chairman of the Ethics Committee of the National Association of Schools of Music, as a member of the Music Committee for the national Graduate Record Examinations and as a member of the National Council of the College Music Society.

The pace she has set for herself leaves her little free time; most of her traveling is on "busman's holidays," trips to New York to hear performances or to serve on evaluation panels. The weekend of Sept. 12, for example, she was in Long Island to deliver a talk on her Summer's research at a three-day Beethoven Festival.

"I think we have established the momentum we need to help the School of Music fulfill its potential," she says. "I feel very positive about the future of musical Penn State."

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Oct. 2, 1980. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

COORDINATOR, PATIENT EDUCATION, COLLEGE OF MEDICINE, HERSHY Responsible to the Assistant Hospital Director of Nursing Services for the coordination of a patient and family education program with all hospital departments, physician and other health care professionals. Bachelor's degree in education media or equivalent, plus two to three years of related experience. Master's degree preferred.

SENIOR APPLICATIONS PROGRAMMER/ANALYST, CONTINUING EDUCATION Develop major data processing programs involving data base management and telecommunications applications. Prepare documentation to support program operation. Prepare operator manuals and train operations personnel and operate tests in programs, analyze results for compliance with user specifications. Consult with management level personnel within all areas of Continuing Education, represent Continuing Education as required on University-wide committees.

Bachelor's degree or equivalent, preferably in computer science or mathematics, with a working knowledge of COBOL, BASIC OR RPGII are required. Two to three years of effective experience in computer programming, management information systems and/or automated control systems is also required. Experience in accounting, financial management, budgeting or other administrative areas is desirable, as is one year's experience programming a Wang Laboratories "VS" Computer. Fixed Term position's funded through 6-31-81.

LIBRARY ASSISTANT, LIBRARY, BEHREND COLLEGE Responsible to the College Librarian for assistance in all phases of library operations, including supervising part-time personnel, overseeing all aspects of the circulation process, instructing students in the use of library facilities, maintaining periodical collection and controlling the operation of the library in the absence of the Librarian. Two years of college desirable and one year of effective experience, preferably in library work.

The Office of Personnel Administration would like to remind faculty and staff members of the University policy regarding the placement of help wanted advertising.

The Manager of the Employment Division is responsible for reviewing the wording of all help wanted advertisements, so that such advertisements are in

compliance with State and Federal legislation and a standard of public relations is maintained (See PS-33, Help Wanted Advertising, in the University Policy Manual).

Anyone wishing to place classified advertisements for faculty or staff vacancies should contact Robert L. Kidder, manager, Employment Division, 865-1387 (Network number 475-1387) before taking any formal action.

News in Brief

(Continued from page 1)

cider, along with a variety of plants and bulbs. When the show ends on Sunday, all plant materials from its displays will be sold to the public.

Inn to host fans

The Nittany Lion Inn will host a "Gathering of the Fans" after each of Penn State's home football games this Fall.

Festivities begin at 4:30 p.m. and last until 8 p.m., with music by The Tarnished

6, dancing, a cash bar and dinner.

Reservations are suggested for dinner, which will be served from 5 to 8 p.m. Free parking is available.

Sigma Xi trip to Hershey

Sigma Xi is sponsoring a guided tour of The Milton S. Hershey Medical Center on Thursday, Oct. 2.

University vans will depart from Kern Building at 12:30 p.m. The tour of the Medical Center will start at 2:30 p.m. and at 4 p.m. Dr. Richard Hyman, associate professor of microbiology at Hershey, will speak on "Recombinant DNA Today." A wine and cheese party will be held before the vans depart at 6 p.m.

Further information can be had by calling Roberta Beebe at 865-1831.

Penn State Intercom

From the Trustee Docket

Board approves submission of 1981-82 appropriation request

Trustees have approved submission of a 1981-82 State appropriation request which seeks funds to cope with "rapidly escalating inflationary costs."

The preliminary request asks for a \$17.7 million increase over the 1980-81 appropriation. It is based on an 8.5 percent increase in the University's general funds budget, which supports basic educational programs, including teaching, research and public services.

"The emphasis of the proposed budget is placed entirely on provisions to cope with the rapidly escalating rate of inflation which affects the goods and services the University must purchase," President Oswald said.

"While the general rate of inflation currently exceeds 13 percent, many goods and services are increasing at a higher rate—for example, fuel and utilities, books and certain types of critically needed



Prof. Freidel

Prof. Murray

Mr. McCarthy

Panelists will discuss Presidency

Eugene J. McCarthy, former U.S. senator and presidential candidate in 1968 and 1976, will be one of three participants in a panel discussion on "The Modern Presidency: Past Experiences, Future Prospects" on Oct. 14 at 8 p.m. in Room 102 Forum Building.

The panel is part of a program entitled "The State of the Presidency: A Modern Perspective," sponsored by the Department of History and the Institute for the Arts and Humanistic Studies.

The program was created "to interest students in the state of the presidency at this moment and examine what direction it will take in the future," according to Dr. Richard Garner, program coordinator.

Dr. Frank Freidel, Charles Warren professor of American history at Harvard University, and Dr. Robert K. Murray, professor of American history at Penn State, will join Mr. McCarthy on the panel, which will be moderated by Eugene Goodwin, professor of journalism.

Dr. Freidel will make a second public appearance on Oct. 15 when he will present a lecture on "The Modern Presidency: The Legacy of FDR" at 8 p.m. in Room 112 Kern Building. The lecture is sponsored in part by the Graduate School Lecture Series.

Dr. Murray will speak on Oct. 22 at 8 p.m. in Room 112 Kern Building. His topic will be "Presidential Greatness: The Ratings Game."

Mr. McCarthy, as a former presidential candidate, will provide insights into understanding the upcoming election. Dr. Garner said. His drive for ballot access in 1976 involved successful challenges to election laws in 18 states. He was plaintiff in the Buckley versus Valeo case, in which

the Supreme Court struck down major portions of the Federal Election Campaign Act.

Mr. McCarthy represented Minnesota's 4th District in the U.S. House for 10 years beginning in 1949. He was elected U.S. Senator in 1958 and again in 1964. His opposition to the Vietnam War led him to challenge Lyndon B. Johnson for the Democratic presidential nomination in 1968. He retired from the Senate in 1970, and has taught university courses in politics, literature and history for several years.

His thoughts on political campaigns and the '60s will be voiced on Oct. 15 at two sessions of Dr. Emily Toth's course on American Culture of the 1960s. The public may attend either class, the first of which will be held third period (11:10 a.m.) in Room 105 Ferguson and the second during fifth period (2:20 p.m.) in the HUB Assembly Hall.

The author of 10 books, including a volume of poetry, Mr. McCarthy will present a public reading from his poetry Oct. 15 at 8:30 p.m. in Room 111 Forum.

A member of the Harvard faculty since 1955, Dr. Freidel is currently at work on the fifth volume of his biography of Franklin D. Roosevelt. He is a Fellow of the American Academy of Arts and Sciences.

Dr. Murray has been teaching at Penn State since 1949. He was named as a Distinguished Alumnus by Ohio State University and is a senior fellow in the Institute for the Arts and Humanistic Studies. Dr. Murray has written a number of books on the presidency, including *The Harding Era*, *Warren G. Harding and His Administration*.

Senate to hear CWC-Cont. Ed. status report

The University Faculty Senate will hear two oral informational reports and receive reports from several of its committees at its Oct. 7 meeting at 2:10 p.m. in Room 112 Kern Building.

Dr. Robert Scannell will offer an informational status report on his progress in developing an integration plan for the Commonwealth Campuses and Continuing Education. Dr. Scannell, who is vice president and dean of the recently created system, spent the summer months gathering data and suggestions from his various constituencies before preparing his report.

Assistant Provost Richard Chait will present a second oral report on recent legal developments affecting academic personnel policies and procedures.

A legislative report offering proposed changes in Academic Policies 54-58 and 56-30 will be presented by the Committee on Admissions, Records and Scheduling. Current policies instruct the University registrar to notify a student's parents or guardian in the event of any drop action or academic warning action. Because this violates the Family Rights and Privacy Act of 1974, the Committee is recommending changes in these policies.

The Committee on Undergraduate Instruction has prepared an informational report on the University Division of Instructional Services (UDIS).

Undergraduate Instruction also is offering an informational report from its Subcommittee on the Impact on Undergraduate Instruction of Teaching Performed by Graduate Student Teaching Assistants.

Consultation urged in computer additions

Editor's note: The following article was prepared under the direction of the University Computer and Information Systems Planning Committee.

The University Computer and Information Systems Planning Committee (UCISP) asks you to check with committee members, with colleagues, or with Computation Center or Management Services staff members if you're considering rental or purchase of a computer. Look for flexibility, maintenance requirements, and ease of updating. Keep in mind that rapid computing advances lead to doubling of computing power every three or four years, while costs halve.

"We realize that some researchers must have personal computers," says Dr. James B. Bartoo, dean of the Graduate School and chairman of UCISP. "But perhaps in time even personal and office computers can be linked to the Computation Center. A terminal linked to the Computation Center puts 'number crunching' abilities a thousand times that of micro-computers at the researcher's fingertips," continues Dr. Bartoo. "And interactive ability, where the scientist needs to take, reduce, and analyze data in real time, will grow. Those who need administrative computing and data processing should realize that

(Continued on page 4)

Additional news of Board actions appears on pages 3-4

instructional and research equipment."

Dr. Oswald noted that a major concern of the University is the effect decreasing purchasing power will have on the quality of educational programs.

"Penn State faculty members have absorbed increased teaching loads during this period of financial stringency," he said. "There were 217 fewer academic and non-academic personnel on Penn State's payroll in October, 1979, than there were in October, 1976. Yet the enrollment has increased."

Since 1971-72, more than \$23.4 million has been cut from operating budgets and reallocated to areas of greater need, the President added. More than \$16 million of this amount was obtained by eliminating salaried positions and reducing operating funds available to departments.

While spending power has been deteriorating, Dr. Oswald continued, University enrollment climbed to an all-time high of approximately 55,000 students in the fall of 1980 and is expected to remain stable through the 1981-82 year.

"Penn State continues to serve larger numbers of students than at any time in its history, and they have had to pay an increasingly greater share of the cost of education," Dr. Oswald pointed out. "Currently the tuition rate for University Park undergraduate students is \$1,641—the second highest of all the major public land grant institutions."

The 1981-82 budget, Dr. Oswald said, includes an average 5 percent increase in tuition for all students, except for those in the doctor of medicine program. Tuition for medical students is at \$5,550 per year—one of the highest for public universities in the United States.

The budget plan, under a practice begun last year, recognizes the probable need for a modest tuition increase while, at

(Continued on page 3)



Berks' new Community Center.

Berks to hold building dedication Oct. 4

The \$1.25 million Community Center at the Berks Campus will be dedicated Saturday, Oct. 4.

President Oswald will be the principal speaker at the ceremonies, which also will include remarks by President Emeritus Eric

A. Walker and a lecture on physical fitness for adults by Dr. Karl G. Stodolka, acting dean of the College of Health, Physical Education and Recreation.

The Jazz Band from Penn State's Blue

(Continued on page 4)

Penn Staters

Dr. Edward H. Klevans, professor of nuclear engineering, has been named associate dean for research in the College of Engineering, effective Oct. 1. He succeeds Winfred M. Phillips, who left to become head of the School of Mechanical Engineering at Purdue University.

Dr. Klevans, an electrical engineering graduate of Penn State, received his M.S. and Ph.D. in nuclear engineering from The University of Michigan in 1958 and 1962, respectively. He was appointed to the University's faculty in 1966. Prior to that he was a senior scientist at the Jet Propulsion Laboratory in Pasadena, Calif.

While at the University, he has helped develop controlled fusion studies, as well as several undergraduate courses on the theory of nuclear reactors. He also has taught courses on nuclear power and society for non-engineering students.

His research activities on various aspects of controlled fusion and ionized gases have resulted in more than 24 published articles. Part of this research has been conducted as a member of the University's Ionosphere Research Laboratory.

Active in University affairs, Dr. Klevans earlier this fall relinquished his post as chairman-elect of the Senate because of his new responsibilities in Engineering. He has served on the Faculty Advisory Committee and on the Provost's Advisory Committee on Planning and Budgeting.

In 1977, he received the Glen Murphy Award, presented by the Nuclear Engineering Division of the American Society of Engineering Education, for his contributions to nuclear engineering education.

Dr. Nils A. Parr has been named acting director of the Wilkes-Barre Campus, effective Oct. 1.

Dr. Parr will fill the vacancy created by the retirement of George W. Bierly, who served as Campus director for 25 years.

Dr. Parr holds two doctorates, both in economics. One is from the College of Environmental Science and Forestry at SUNY-Syracuse and the other from Syracuse University. He has an M.F. from the Yale University School of Forestry and a B.A. in English from New York University.

He joined the Wilkes-Barre staff in 1978 as associate director for academic affairs. Previously he served as director of placement and assistant professor of economics at Heidelberg College and as director of environmental studies and associate professor of economics at the University of Maine-Machias.

He has also been a timber management forester in Virginia's George Washington National Forest and a research forester in economics for the Northeast Experiment Station of the Forest Service.

Several changes in the administration of the instructional programs in the College of Earth and Mineral Sciences have been made.

Dr. Charles P. Thornton, professor of petrology and undergraduate program coordinator for the Department of Geosciences, is now serving also as chairman of the earth sciences major.

Dr. Peter A. Thrower, associate professor of materials science, has been named graduate program coordinator for the Department of Materials Science and Engineering. Graduate programs leading to the M.S. and Ph.D. are offered by the department in ceramic science, fuel science, metallurgy, and polymer science. Also in the Department of Materials Science and Engineering, Dr. R. E. Tressler, associate professor of ceramic science and engineering, has been named program chairman for the ceramic science and engineering major, and Dr. J. H. Hoke, associate professor of metallurgy, program chairman for the metallurgy major.

Wayne A. Schutjer, professor of agricultural economics, has been appointed to the U.S. Economics and Statistics Delegation that will visit the Peoples Republic of China this month. The delegation is part of a broad government-sponsored scientific, technological, and educational exchange designed to make substantial contributions to U.S. agricultural trade, economic information, and scientific knowledge.

Professor Schutjer has broad administrative and research experience in Asia, having served as Southeast Asia Agricultural Advisor for the Ford Foundation from 1972 to 1974. Earlier he served for 18 months as director of the Research and Training Network of the Agricultural Development Council, a group which promotes cooperation between university faculty members and personnel of public and private aid agencies.

Dr. Juan Fernandez-Jimenez, assistant professor of Spanish at Behrend College, is the author of an edition and study of Pedro de Madina's *Suma de cosmographia* published by Albatros-Ediciones de Hispanofila. The *Suma*—completed in 1551 but not published until now—is a summation of all that was known at the time on cosmography. Its author, the teacher of one of the great nobles of Spain in the 16th century, the Duke of Medina-Sidonia, was the author of another work on the same subject completed in 1545 and translated into many languages.

Dr. James F. Smith, associate professor of English and American studies at Ogonitz, presented a paper entitled "Las Vegas: An American Icon" at the International Popular Culture Association conference in Winchester, England, late in July.

James E. Stephenson, a ceramist and professor in the School of Visual Arts, has been awarded a \$5,000 grant by the National Endowment for the Arts. Mr. Stephenson, who has created many ceramic pieces for wall display, will use the 11-month grant to build wall systems and free-standing shapes and to utilize architectural elements related to brick and tile.

John Wilkerson, instructor in music at Behrend College, was a member of the opera company and chorus this past summer at Artpark in Lewisport, N.Y. Mr. Wilkerson sang the role of Elder Ott in Carlisle Floyd's *Sweeney*, in a production for which the composer was stage director. He also sang in the chorus of *Die Fledermaus* and the Handel Marathon. Artpark is a publicly funded state park devoted to a complete range of artistic expression, including operas, musicals, and dance.

Bookshelf

William E. Biles, professor and head of the Department of Industrial and Management Systems Engineering, is the co-author with James J. Swain of Purdue University of a book, *Optimization and Industrial Experimentation*, recently published by John Wiley and Sons of New York.

The book discusses both single and multiple objective optimization, with and without constraints. It introduces the fundamentals of statistics and experimentation, and follows with a thorough development of regression estimation, experimental design, optimization techniques, and a synthesis of these methods in a single methodology. Examples illustrating these procedures are drawn from both process and simulation studies.

The book is intended for use in senior or graduate level courses in experimental optimization. It also is intended to assist research and development scientists and engineers optimize processes so that they are more efficient, less wasteful of energy or raw materials, and less likely to produce undesired by-products.



Penn State students surprised President and Mrs. Oswald by dedicating the 67th annual Horticulture Show to them last Saturday, in honor of their outstanding contributions to the profession of horticulture. The President, the author of more than 70 scientific papers, holds an A.B. degree in botany and a Ph.D. in plant pathology. He is the discoverer of a new disease of cereals, barley yellow dwarf virus. Mrs. Oswald, a graduate of Alabama College for Women (now the University of Montevallo), has long been concerned with the campus environment and its beautification.

Retirements

William H. Gregory, Sullivan County Extension director, retired Sept. 30 with 32 years of service.

A 1940 Penn State graduate with a B.S. in agricultural education, Mr. Gregory has won numerous awards for his work. Among them are the Pennsylvania Dairymen's Association Extension Award, the Master Educator Award of the Pennsylvania Association of Farmer Cooperatives, the Sullivan County Chamber of Commerce "Man of the Year" Award, and the Distinguished Service Award of the National Association of County Agricultural Agents.

Ethel L. Johnstonbaugh is looking forward to spending some of her retirement in warm and sunny climes. Her travel plans include a trip to visit her brother in Arizona and some vacationing in Florida at a later date. Locally, in her new home in Bellefonte, she will fill her spare time crocheting afghans and doing liquid embroidery.

After 27 years of service with the University, Mrs. Johnstonbaugh, a milk testing machine operator in the College of Agriculture, retired Oct. 1. She joined the Penn State staff in 1953 as a counter attendant with Housing and Food Services, working in various locations such as Atherton, Redifer and Johnston Halls. Mrs. Johnstonbaugh joined Ag's staff in 1977 and has been responsible for testing samples of milk for butterfat.

Hester A. Kennedy, a secretary in the Department of Psychology and a member of the University's staff since 1962, retired Oct. 1.

Obituary

Chauncey P. Lang, professor emeritus of agricultural extension and the mayor of State College from 1966-74, died Sept. 18. Mr. Lang was 86. A native of Woodsfield, Ohio, he was graduated from Ohio State University in 1918 and served for 18 months as a second lieutenant with the American Expeditionary Forces during World War I.

Mr. Lang joined Penn State in 1928 as an assistant 4-H Club leader, retiring in 1959.

Promotions

Faculty

Philip L. Cochran as assistant professor of business administration.

Staff Exempt

Everitt Birns to dean of student affairs at Schuylkill.

Michele E. Florey to patient food service supervisor at Hershey.

Carol B. Harries to assistant manager, medical records at Hershey.

Charlotte Hitchcock to supervisor, student records in Registrar's Office.

Kay F. Kustanbauer to coordinator, Nittany Lion Club in Health, Physical Education and Recreation.
Inez L. Lauck to supervisor, student transcript records in Registrar's Office.
Margaret L. Nastase to budget operations analyst in Planning and Budget.
Samuel C. Smith to supervisor of planning and scheduling (jobs and projects) in Physical Plant.

Staff Non-Exempt

Karen T. Beard to respiratory therapy equipment technician at Hershey.
Debra A. Fudrow to data entry assistant/programmer in Continuing Education.

Marlene L. Glass to research technician at Hershey.

Wanda J. Hoover to senior research technician at Hershey.

Denise A. Hornberger to senior staff nurse at Hershey.

Glenda K. Hostetter to respiratory therapist at Hershey.

Clerical

Paula R. Ammerman to secretary B in President's Office.

Doris L. Billet to secretary B at Capitol.

Doris L. Carter to conference secretary in Continuing Education.

Teresa J. Crissman to conference secretary in Continuing Education.

Marilyn T. Downing to secretary B in President's Office.

Rebecca J. Gorsuch to secretary C in Human Development.

Catherine T. Hansen to senior manuscript typist at Hershey.

Linda Ickes to secretary B in Human Development.

Audrey K. Korman to accounting clerk in Intercollege Research Programs.

Gail A. Lundberg to secretary B in Undergraduate Studies.

Nancy Markle to clerk A in Physical Plant.

Kathleen D. Matason to secretary B in Earth and Mineral Sciences.

Mariesa McMillan to secretary B in Human Development.

Wanda J. Nymon to secretary A in Agriculture.

Bonnie Randolph to secretary B in Science.

Joseph C. Carroll to group leader—housing at Hershey.

Shirley J. Grabbil to senior milk testing machine operator in Agriculture.

William L. Hilgert to vending maintenance mechanic in Housing and Food Services.

Joseph V. Hoffman to biomedical electronics technician at Hershey.

Karl Hoinikes to maintenance mechanic A at McKeesport.

Joseph Kepp to painter/locks and hardware mechanic at Capitol.

Richard C. Mann to safety technician at Hershey.

Mary E. Myers to dining hall worker A in Housing and Food Services.

Evelyn M. Rutherford to physical therapy aide at Hershey.

Robert J. Swigart to laboratory worker in Agriculture.

Herbert L. Swope to maintenance worker (general) B at Capitol.

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USPS 351-170

University Park Calendar

Oct. 2 — 12

Special Events

Thursday, Oct. 2

Kern/WSX-TV, *Cosmos series*, "The Shores of the Cosmic Ocean," noon, Kern Lobby.
E.A. Day Memorial Symposium in Food Science, in honor of Dr. Stuart Patton, Evan Pugh professor of agriculture, on his retirement, 1:30 p.m., Room 112 Kern.

Sports: baseball vs. Lock Haven.

FSHA, Pennsylvania Dutch meal, 6 p.m., Maple Room, Henderson. Reservations, 865-1736, 8 a.m.—5 p.m.

Cinematheque, *Mean Streets*, 7 and 9 p.m., HUB Assembly Hall.

Robeson Cultural Center, "Focus on Southern Africa," 8 p.m., Walnut Bldg.

URTC, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre.

Friday, Oct. 3

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Kenneth Thigpen, English, on "The Image of America in European Folklore."

GSA film, *Bridge on the River Kwai*, 6 and 9 p.m., Room 105 Sparks.

SFO film, *Lester, Robin and Marian*, 7 and 9 p.m., HUB Assembly Hall.

Sports: volleyball (women) vs. Georgetown, 7 p.m.; soccer vs. Fordham, 7:15 p.m.

Commonplace Coffeehouse, 8 p.m., Room 102 Kern.

URTC, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre.

Artists Series, The Long Wharf Theatre, *Private Lives*, 8:30 p.m., Eisenhower Auditorium.

Saturday, Oct. 4

Last date for Nov. graduates to deliver doctoral theses to Committee.

Sports: cross country (men), Penn State Open; volleyball (women), Penn State Classic; field hockey vs. Rutgers, 1 p.m.

GSA film, *Bridge on the River Kwai*, 6 and 9 p.m., Room 105 Sparks.

URTC, *Ah, Wilderness!* 8 p.m., The Pavilion Theatre.

Artists Series, The Long Wharf Theatre, *The Lion in Winter*, 8:30 p.m., Eisenhower Auditorium.

Sunday, Oct. 5

University Chapel Service, 11 a.m., Eisenhower Chapel. The Rev. Carl H. Dek, Coalition for Christian Outreach, FSU, speaker.

HUB Craft Center, registration for second session classes, noon-5 p.m., Room 312 HUB, through Oct. 13.

Opening reception for School of Visual Arts Faculty Exhibit, 3-5 p.m., Zoller Gallery.

GSA film, *Bridge on the River Kwai*, 6 and 9 p.m., Room 105 Sparks.

Monday, Oct. 6

Alard String Quartet recital, 12:45 p.m., Room 112 Kern.

American Assn. of Housing Educators, keynote address, 1 p.m., Keller Auditorium. Helen D. Wine, on "Influencing Legislation and Public Policy," through Oct. 13.

Interdisciplinary Symposium on Value, 8 p.m., Room 101 Kern. Donald P. Verene, philosophy, on "Vico and Marx on Poetic Wisdom and Barbarism."

June Miller, organ, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, Oct. 7

Faculty Women's Club, Newcomer Get Acquainted Picnic, 11 a.m.—2 p.m., Sunset Park.

Comp. Lit. Luncheon, 12-15 talk, 1 p.m., Room 204 HUB. Denise Levortov, poet, speaker.

University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

Pittsburgh Chamber Orchestra residency.

Michael Lankester, conductor, with the Chamber Orchestra and the Penn State Symphony Orchestra, 7 p.m., Eisenhower Auditorium.

Sports: soccer vs. Bucknell, 7:15 p.m. Microcomputer Users meeting, 7:30 p.m., Room 169 MRL.

Anthropology, art history, HUB Assembly Hall, Wilda J. Lord, art historian, on "Penn State Buildings: 125 Years of Campus Architecture."

English Colloquium, 8 p.m., Room 111 Forum. Denise Levortov reads her poetry.

Wednesday, Oct. 8

STS/TCD, luncheon, noon; presentation, 12:20 p.m., Room 101 Kern. Marlowe Froke, con-

Levertov to present poetry reading, talk

Poet Denise Levortov, known for her sparse but vividly dramatic style, will be a guest at the University next week and will give a public poetry reading Tuesday, Oct. 7, at 8 p.m. in Room 111 Forum Building. Earlier that day, she will address the Comparative Literature Luncheon group, which meets at 12:15 p.m. in the Donovan Room of the HUB.

Ms. Levortov's visit is in conjunction with the University's 125th anniversary celebration and is sponsored by the Women's Studies Option, the Institute for the Arts and Humanistic Studies and the Department of English.

Awarded the Lenore Marshall Poetry Prize in 1976 for her book, *The Freeing of the Dust*, Ms. Levortov has been a visiting lecturer and visiting professor at a number of colleges and universities, among them the City College of New York, Vassar College, Drew University, the University of California at Berkeley and Massachusetts Institute of Technology. In recent years, she has been a member of the faculty at Tufts University.

tinuing education, on "Higher Education as a Technologically Handicapped Institution," Alard String Quartet recital, 12:45 p.m., Room 112 Kern.

Pittsburgh Chamber Orchestra residency. Szymon Goldberg, conductor, with the Chamber Orchestra and Musica da Camera, 1:30-3:30 p.m.; Michael Lankester, conductor, with the Chamber Orchestra and the Penn State Symphony, 7 p.m., Eisenhower Auditorium.

FSHA, 19th Century Russian meal, 6 p.m., Maple Room, Henderson. Reservations, 865-1736.

Black Film Series, selected shorts and Oliver Franklin, Afro-American Historical and Cultural Museum, on "Black American Film," 7:30 p.m., Robeson Center.

Focal Film Series, *The Traitors* (Argentina), 7:30 and 9:30 p.m., Room 104 Chambers.

Kern Theatre, student preview, "Story Theatre," 8 p.m., Room 112 Kern.

Thursday, Oct. 9

Kern/WSX-TV, *Cosmos series*, "One Voice in the Cosmic Jigsaw," noon, Kern Lobby.

FSHA, German Oktoberfest, 6 p.m., Maple Room, Henderson. Reservations, 865-1736.

GSA film, *Mutiny on the Bounty*, 6 and 9 p.m., Room 105 Sparks.

Cinematheque, *Mahler*, 7 and 9 p.m., HUB Assembly Hall.

Sports: volleyball (women) vs. Laurentian, 7 p.m.

Kern Theatre, Paul Silks, "Story Theatre," 8 p.m., Room 112 Kern; dessert reception for audience and cast following performance, Room 102 Kern.

Friday, Oct. 10

Fixed date for meetings involving Commonwealth Campus faculty.

Sports: volleyball (women), Lady Lion Invitational, through Sept. 11.

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Thomas Falk, Stockholm School of Economics, on "Retailing in Norrköping."

GSA film, *Mutiny on the Bounty*, 6 and 9 p.m., Room 105 Sparks.

SFO film, Frankelheimer, *The Fier*, 6:30 and 9 p.m., HUB Assembly Hall.

American Studies/IAHS Film, 1968, 8 p.m., Room 115 EE West.

Kern Theatre, "Story Theatre," 8 p.m., Room 112 Kern; dessert reception following performance, Room 102 Kern.

Artists Series, Pittsburgh Chamber Orchestra, 8:30 p.m., Eisenhower Auditorium.

Saturday, Oct. 11

Fixed date for meetings involving Commonwealth Campus faculty.

Last day for Nov. graduates to take final oral doctoral examinations and to deliver master's theses to adviser.

Sports: rifle, Penn State/Army/Navy ROTC, 8 a.m.; cross country (women) vs. Virginia, 10 a.m.; bowling vs. Maryland, 1 p.m.

Artists Series, Pittsburgh Chamber Orchestra, 10:30 a.m. (youth concert); 8:30 p.m., Eisenhower Auditorium.



Although she is British by birth, all but one of her 11 books of verse have been published in the United States, and she is a naturalized U.S. citizen. Her most recent book, *Collected Earlier Poems, 1940-1960*, came out in 1979, and her only prose book, *The Poet in the World*, was published by New Directions in 1973. In 1969, New Directions also published her translations of the French poet, Guillevic.

GSA film, *The Caine Mutiny*, 7 and 9 p.m., Room 105 Sparks.

Kern Theatre, "Story Theatre," 8 p.m., Room 112 Kern; dessert reception following performance, Room 102 Kern.

Sunday, Oct. 12

University Chapel Service, 11 a.m., Eisenhower Chapel. The Rev. William H. Rader, The United Church of Christ, Boalsburg, speaker.

Sports: lacrosse (men), Penn State Invitational; bowling vs. Gettysburg, 1 p.m.

Peggy Shipley, flute recital, 2:30 p.m., Music Bldg. Recital Hall.

GSA film, *The Caine Mutiny*, 7 and 9 p.m., Room 20 Sparks.

Kern Theatre, "Story Theatre," 8 p.m., Room 112 Kern; dessert reception following performance, Room 102 Kern.

Seminars

Thursday, Oct. 2

Ceramic Science, M.S. Crowley, Standard Oil Co., on "Refractory Concrete," 11 a.m., Room 301 Steidle (new listing).

Meteorology, T. Theodore Fujita, geophysical sciences, Univ. of Chicago, on "Tornadoes and Downbursts," 3:35 p.m., Room 112 Walker (new listing).

Computer Science, Justus Hartmanis, Cornell Univ., on "Recent Developments in Complexity Theory," 4 p.m., Room 325 Whitmore (new listing).

Engineering Science and Mechanics, Peter Couchman, Rutgers Univ., on "Composition-Dependent Glass Transition," 4 p.m., Room 152 Hammond (new listing).

Friday, Oct. 3

Analytical Chemistry, Richard Van Dyne, Northwestern Univ., on "Stimulated Raman—Laser Excited Resonance Raman Spectroscopy," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Jerzy Blazewski, FSU, on "Photochemistry of Phosphines," 2:30 p.m., Room 333 Whitmore.

Mathematics, Richard Askey, Univ. of Wisconsin, on "Some Useful Sums and Integrals Connected with Orthogonal Polynomials," 4 p.m., Room 112 Osmond.

Monday, Oct. 6

Plant Pathology, Rustum Roy, Materials Research Lab., on "Strategy and Opportunities in Federal Funding," 3:35 p.m., Room 213 Buckhorn.

Mc3B, David Trenham, Univ. of Pa., on "Recent Advances in the Myosin ATPase and Other Energy Transducing Triphosphates," 4 p.m., Room 101 Althouse.

Tuesday, Oct. 7

Mc3B, David Trenham, Univ. of Pa., on "Cages ATP-A Photolabile Compound for Novel Kinetic Studies of Enzyme Systems," 11 a.m., Room 101 Althouse.

Chemistry, Donald Sawyer, Univ. of Ca/Riverside, on "Chemistry of Superoxide."

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Biological Applications," 12:45 p.m., Room 333 Whitmore.

Geosciences, M. Nafi Toksoz, earth and planetary science, MIT, on "Crustal Structure in Continental Collision Zones: Alpine-Himalayan Belt," 3:45 p.m., Room 112 Walker.

Biology, Paul Phillips, Wistar Institute, Philadelphia, on "Hormonal Regulation of W1-38 Cell Proliferation in Serum-Free Medium," 4 p.m., Room 111 Mueller.

Thursday, Oct. 9

Chemistry, Milan Uskokovic, Hoffman-La Roche, on "Chiral Synthesis of Natural Products," 12:45 p.m., Room 333 Whitmore.

Air Pollution Control, Mitchell Dukovich, grad. student, biophysics, on "Mutagenic and Carcinogenic Potential of Diesel Exhaust Particulates," 2:20 p.m., Room 69 Willard.

Economics/Institute for Policy Research and Evaluation, Frederic Sherer, Northwestern Univ., on "The Microstructure of Technology Flows," 2:30 p.m., Room 101 Kern.

Physics, W.E. Spicer, Stanford Univ., on "Photoelectron Spectroscopy," 3:50 p.m., Room 445 Davey.

Fuel Science/Mechanical Engineering, Joseph Sangiovanni, United Technologies Research Center, on "An Approach to Droplet Burning in Real Combustion Systems," 4 p.m., Room 301 Steidle.

Mathematics, R.F. Dickman, Jr., Virginia Polytechnic Institute and State Univ., on "A Proof of a Conjecture of A.H. Stone on Unkohered Spaces," 4 p.m., Room 102 McAllister.

Philosophy, John Anderson, Evan Pugh professor of philosophy emeritus, on "Socrates and Three Who Went Beyond Him," 4 p.m., Room 203 Willard.

Friday, Oct. 10

Analytical Chemistry, Erik Whalen-Pederson, grad. student, on "Structure Analysis Studies of Polycyclic Aromatic Hydrocarbons," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Eduardo Lissi, Univ. Tecnica del Estado, Santiago, on "Photopolymerization by Carbonyl Compounds," 2:30 p.m., Room 333 Whitmore.

Exhibits

Chambers Gallery: Bonnie Deutsch, jewelry, and Maria Das Gracas Moreira's Ramon, oil paintings.

Kern Gallery: Roy Vollmer, architecture, through Oct. 3; Colleen, photography; Jean Giddings, weavings, and Jeff Mathison, drawings, both open Oct. 4.

Museum of Art: Sidney Goodman, paintings, drawings and graphics, 1959-1979, through Oct. 12; highlights from the permanent collection, through Oct. 6; European paintings from the permanent collection, opens Oct. 12.

Pattie Library: Founding a University: The Pennsylvania State University's 125th Anniversary, East Corridor Gallery. Lindsay Laps, recent paintings, lending Services, Lobby. Tom Faela, ceramics, Main Lobby.

Paul Robeson Cultural Center: The Frederick Douglass years, through Oct. 5.

Visual Arts Bldg. Zoller Gallery: School of Visual Arts Faculty Exhibit.

Organ recital is Oct. 6

A recital devoted to the works of German composers will be presented by June Miller, organist and an associate professor in the School of Music, at 8:30 p.m. on Monday, Oct. 6, in the Music Building Recital Hall.

According to Professor Miller, the program of mostly Baroque pieces represents her work with recently discovered articulation practices of the Baroque period.

She will open the recital with the Chaconne in E Minor and Three Chorale Preludes by Dietrich Buxtehude, followed by the Sonata No. 1 in F Minor by Felix Mendelssohn, and three compositions by J.S. Bach—the Trio Sonata No. 3 in D Minor, "Deck Thyself, O My Soul," and the Fantasy and Fugue in G Minor.

(Continued from page 3)

The drop action will be effective Winter Term 1981 to accommodate remaining students in the option.

The other four options, Air, Noise, Radiological, and Water and Solid Waste, will continue as part of the program.

Consent decree execution approved

The execution of a consent decree between the University and the State Department of Environmental Resources for completion of a sewage treatment project at University Park has been authorized by the Trustees.

The decree, to be submitted to Commonwealth Court, will provide for construction of a piping system to dispose of effluent by spraying it on State game lands in Centre County.

"University officers have met several times with members of the Governor's Cabinet and their staffs, and a satisfactory arrangement was worked out under which the State will fund the basic project," Robert A. Patterson, senior vice president for finance and operations, reported.

Mr. Patterson said the University will be reimbursed from the Governor's capital budget for the \$3,587,863 cost of the project. The piping system will be the final phase of a sewage treatment project begun in 1968.

The first phase was completed in 1976. It consists of a surge tank, a pumping system and a main distribution line from the Penn State campus to the game lands.

The second phase, which will bring the University Park system into compliance with federal and State environmental regulations, will consist of a finger system of about 50 miles of various sized piping, 3 to 8 inches in diameter. The piping will allow spraying of effluent over two areas totaling 600 acres.

Penn State researchers developed the spraying technique, which has been approved by federal and State environmental agencies. Tested extensively by Penn State's College of Agriculture, it was found to be odorless and harmless to vegetation and animals in the area. It adds nutrients to the soil and safely recharges the water table.

Mr. Patterson said he anticipates completion of the project by April 1982.

Scholarships announced

The establishment of a number of new scholarships was reported to the Trustees. They include:

A Paul M. Wentworth Scholarship will recognize outstanding students in civil engineering. The initial principal of the fund, more than \$24,000, has been obtained from donations and gifts from Paul M. Wentworth, a 1925 Penn State graduate in forestry now living in Rutherford, N.J. Full-time undergraduate civil engineering students of at least junior standing are eligible for the scholarship if they have a B average and have a demonstrated financial need.

An Edgar Wayne Leighty Scholarship will assist students at the Altoona Campus. The initial principal of more than \$16,500 comes from the estate of Alma L. Leighty, an Altoona piano instructor. A supporter of education, she named the scholarship to commemorate her father. Financially needy students enrolled or planning to enroll full-time at Altoona are eligible for the scholarship.

A General Motors Fund will provide financial assistance to qualified minority students. The initial principal of the fund will be \$5,000, contributed annually for five years by the General Motors Foundation. Fund income will be shared equally by the Colleges of Engineering and Earth and Mineral Sciences. All full-time minority students enrolled in either college are eligible for the grants.

A Luther H. Harshbarger Fund for Religious Studies will support scholarships and an annual lecture in religious studies. The initial principal of \$2,000 was contributed in honor of Dr. Harshbarger's 31 years of service to the

University as founding head of the Department of Religious Studies. He retired in June. University alumni, friends of Dr. Harshbarger and three church-related agencies contributed to the fund. Students who are full-time undergraduates enrolled in the religious studies major will be considered for the scholarship, provided they are at least sophomores, have better than average grades and/or need financial help with their college expenses.

A Robert P. Meahl Award will recognize students majoring in ornamental horticulture. The initial principal of more than \$2,000 has been received as gifts from alumni and the friends, colleagues and associates of the late Dr. Meahl, a former faculty member of the Department of Horticulture. Full-time horticulture students of at least sophomore standing who have demonstrated interest in ornamental horticulture are eligible for the award. Recipients will be selected on the basis of academic excellence, professional performance and promise.

The Allentown-Lehigh County Board of Realtors Scholarship has been established for Allentown Campus students. An annual contribution from the Board will be forwarded to the University to provide the awards. Students enrolled or planning to enroll as full-time undergraduates at the Allentown Campus will be considered if they have shown promise of academic excellence. Preference will be given to current Allentown Campus students, but former Allentown students continuing their studies at University Park also will be considered.

Addition to Milk Testing Lab to be completed

Construction of a 4,000-square-foot addition to the University's Central Milk Testing Laboratory was authorized by the Trustees.

The addition will contain testing facilities, office space and improved receiving, handling and storage areas for trucks at the laboratory, which provides milk and dairy testing services for the Pennsylvania Dairy Herd Improvement Association.

"The original building was constructed under a 1969 agreement with the dairy association," Ralph E. Zilly, vice president for business, said. "Fees paid to the University for testing services funded the cost of construction. The program has been very successful, and the number of animals tested has increased to the point that additional facilities are needed."

"An addition can be funded under an agreement similar to the 1969 arrangements. No State or tuition funds will be used for this project. Funds advanced by the University will be repaid from fees collected for testing."

The \$293,320 addition is scheduled for completion in the summer of 1981. Mr. Zilly said.

Cereals, grain research facilities to be augmented

A small building to house cereals and grain research facilities at the Rock Springs Agricultural Research Center will be constructed. The 40-by-100-foot timber column building will provide space for the increased involvement of Penn State in small grain research. It will be used by the Departments of Plant Pathology and Agronomy, as well as by the U.S. Department of Agriculture. Costing approximately \$25,000, the building is scheduled for completion by the end of this year.

Telex, facsimile facilities listed

Telex or facsimile equipment is available for use by members of the faculty and staff. Agreement negotiations and research data are examples of information for which mail services may be too slow. Campus locations are listed below. Services are available at cost, and subject to availability of the equipment.

Area	Location	Telephone	Device
Applied Research Lab.	211 Applied Science	865-1721	Xerox 410
Continuing Education	122 Kellier	865-1781	Western Union TWX "Teletype"
Institute for Research on Land & Water Resources	100 Land & Water	863-0291	QWIP 1200
Materials Research Lab.	104 MRL	865-1656	Xerox 410

Consultation

(Continued from page 1)

Management Services is also expanding its capabilities. In short, the Committee stresses the need for mature growth that furnishes opportunities for both the individual and the unit to advance as the overall base of the computational ability expands."

Organized February 1980, UCISP is responsible for recommending to the President's Administrative Policy Council University plans, policies, and priorities for institutional computing and information systems. Included are data communications, networking, academic computing, software packages, library computing, administrative data processing, word processing, data administration, and distributed data processing. The Committee is to provide for compatibility of University computer facilities and shall call for and review annually the computing and information system plans of each major systems organization. Another responsibility is the publication of papers on state-of-the-art information systems for University planning.

UCISP is also charged with reviewing all proposals and purchase orders for rental or purchase of computers, where cost exceeds \$10,000. Dr. Bartoo notes that all such purchase orders and proposals, including an information sheet to expedite routing, should be sent to the subcommittee on Academic Computing, chaired by Dr. G. G. Johnson Jr., associate professor of computer science. Requests for administration computing are also reviewed by the subcommittee on Information and Data Administration. Leonard M. Brush, associate director of data systems support, chairs this group.

"Two to three weeks should be allowed for proposal and purchase order reviews," notes Dr. Bartoo, "although these documents have been reviewed faster. But we don't think that reviewing \$2 million worth of purchases in a few weeks as we've done in the past is beneficial."

Appointed by President Oswald, UCISP replaces the Computer Advisory and University Systems Advisory Committees. "We're at the point of recommending new policies and procedures," says Dr. Bartoo, "and we'll probably operate along the following broad policy lines."

Administrative computing and data processing will most likely be more closely integrated. Fewer data bases, for example, might be built and made accessible to many users. "The theory is that fewer bases, with selective accessibility and guaranteed confidentiality, would serve many at less cost than separate systems," explains Dr. Bartoo. "Terminals linked to these bases would show this kind of transactional processing."

Academic computing is a different situation, where flexibility and experimentation must be encouraged. Personal computers are clearly better in certain situations, and versatile mid-sized equipment better in others. Charles Blunt, coordinator for Information and Administrative Services, provides staff support for the Committee and cites the DEC-built VAX "super mini" as an example. Three have been bought, one by mathematical sciences, another by the hybrid computer lab in electrical engineering, and a third by the Hershey Medical Center. Virtually the same machine, each is groomed for different

purposes. Two similar machines will be acquired in 1980/81.

Committee members caution that equipment cost is only part of the computational budget. Software, maintenance and staff costs must all be included. A rule of thumb states that each purchase dollar must be matched with a dollar of staff time. In that light, the \$3 million worth of computer-related equipment bought this past year and added to the \$10 million worth already on campus becomes a sobering statistic.

"Nevertheless, we want to encourage this technology," says Dr. Bartoo. "We realize increasingly available high power computers will revolutionize the University posture on research and administrative transaction processing at the same time that inevitable economies force a hard look at possible duplication and waste of resources. We want to strike a delicate balance between centralization and decentralization," concludes Dr. Bartoo, "and policy and procedural suggestions in that vein are welcome."

UCISP committee members, in addition to Dr. Bartoo, Mr. Brush, and Dr. Johnson, include R.E. Dunham, L.M. Furtado, S.A. Garban, F.J. Remick, D. Rung, R.J. Scannell, and R. Schraer. Membership of the subcommittees will be released later.

Berks

(Continued from page 1)

Band and baton twirler Lori Bowers will perform, and spectators will see a Penn State varsity volleyball game.

Penn State alumni, students and faculty members and contributors to the Partners in Progress fund raising campaign which financed the building have been invited to the ceremonies.

With the addition of the new building, Berks Campus students and faculty members can now assemble for academic convocations under one roof. The facility also will enable students to enroll in additional indoor basic physical education courses, and varsity basketball games will be added to campus life, along with wrestling, fencing, golf, racquetball instruction and physical conditioning programs.

Both the Campus and the community will benefit from the new Community Center, Dr. Harold W. Perkins, Berks director, points out.

Penn State alumni in Berks County, who number about 4,500, plan to raise \$30,000 to provide 1,000 convocation chairs, bleachers and special physical education equipment to enhance the use of the building, according to John D. Beatty, chairman of the Berks Campus Fund.

Plans call for joint use of the facility by the county park system and the University during summer months. The building can seat about 1,000 people and can be equipped with a portable stage.

The Community Center is adjacent to the Campus's main athletic field, an 800 space parking lot and a student center which provides classroom space, a food service area, a bookstore and an auditorium. Tennis courts are nearby.

Chairman of the Partners in Progress capital campaign which raised \$1.2 million for construction of the new facility was Howard O. Beaver Jr., who is a trustee of the University and a member of the Penn State Alumni Council.

Trustee docket

(Continued from page 1)

the same time, it attempts to bring in to better balance the financial contributions of students and the State," said Dr. Oswald. "Our aim is to reflect the concept that Penn State's educational programs benefit the entire State, as well as the students. Incorporating a modest tuition increase into our budget proposal appeared to be helpful to the University in its efforts to obtain its State appropriation for the 1980-81 fiscal year, and is being proposed again as part of our long-range planning — not inconsistent with the *Perspective on the '80s*."

The total appropriation request of \$144,740,000 represents an increase of 13.9 percent over the 1980-81 appropriation and includes \$4,572,000 for the Milton S. HERSHEY Medical Center. An increase in the per capita allotment for doctors of medicine to \$11,783 from \$7,465 is requested. The per capita appropriation for medical students has not changed since 1971-72. Dr. Oswald said. Tuition, meanwhile, has risen 455 percent.

Other considerations in the appropriation request:

- Significant increases in retirement and group insurance costs are mandated by external agencies and are not under the University's control. The amount paid for retirement costs has increased six-fold since 1970-71.

- Social Security costs have risen from \$5.5 million to more than \$14 million in the past decade.

- While the Penn State appropriation has increased almost every year, the per-student appropriation in terms of "real dollars" has declined by more than 22.6 percent since 1972-73.

- Essential salary adjustments for employees will be provided.

- No funds are requested for new programs.

Also approved by the Trustees was a Capital Program Request that outlines proposed spending for the first year of a five-year capital improvement program.

Included in the program are requests for funds to make necessary changes in utility systems to meet the long-range goal of minimizing energy expenditures, for remodeling or renovating existing facilities, for buildings needed for basic services at the various Campuses, and for a deferred maintenance program necessary to expand the life of existing University facilities.

Fall Term enrollment tops 55,000 — a record

Fall Term enrollment at the University totaled 55,281 — a record for the second straight year, according to preliminary figures announced to the Trustees. The University Park campus, with an enrollment of 32,459, and the Commonwealth Campus System, with 17,709 students, also set records.

Individual Commonwealth Campuses that set enrollment records were Altoona (1,969 students, up 9.6 percent); Berks (934, up 10.7 percent); DuBois (633, up 6.9 percent); Hazleton (1,128, up 9.5 percent); and York (1,016, up 6.4 percent).

University Park's 1980 enrollment showed an increase of 667 over 1979's total of 31,792. Commonwealth Campus enrollment showed an increase of 937. Hershey Medical Center and the Radnor Center for Graduate Study also recorded enrollment increases this year.

All figures are preliminary and are expected to be slightly higher when final tabulations are completed.

Fund council reorganized

The Board of Trustees has authorized several changes in the organization of the Penn State Fund Council, an advisory council concerned with private fund raising for the University.

"The council is being reorganized this fall in order that it can best assist the University in meeting the challenges and

opportunities for fund raising during the next five years," explained Dr. Richard E. Grubb, senior vice president for administration.

Among the changes are plans to enlarge the fund council. Under the resolution creating the council in 1974, the Trustees provided for a membership of 26. The Board's action permits additional members to be nominated by the President of the University.

In addition, the council will now meet twice each year instead of once as it did previously.

Also approved was formation of a steering committee to meet between the semi-annual regular sessions to establish general directions for the council, coordinate committee work and provide communication with the University administration, the Office of Gifts and Endowments, and the Board of Trustees.

The Penn State Fund Council advises the Board of Trustees and the President on all matters pertaining to private fund raising. It supports special projects most needed by the University and most appropriate for support through private sources.

A meeting of the new and enlarged fund council will be held early in 1981, at which time the council will consider how best to carry out its responsibilities for the next five years to assure continuing success in private fund raising," Dr. Grubb said.

C. W. Shaeffer of Baltimore, who had served as chairman of the Penn State Fund Council since its inception, resigned that post July 1 after the organization achieved its first five-year goal of doubling private support to the University.

Lawrence G. Foster, an alumnus from Westfield, N.J., corporate vice president and assistant to the chairman of the board of Johnson & Johnson, was named by President Oswald to head the council. Under the reorganization, Mr. Foster's title becomes president of the Penn State Fund Council.

In a related report, it was noted that gifts received by the University during the year ending June 30, 1980, totaled \$9,562,685.

The figure, due in part to a bad year for the economy, was down by about 7 percent from \$10,302,772 the previous year. However, Dr. Grubb said he was encouraged by the overall private giving picture.

He noted that in 1975-76, Penn State undertook a five-year campaign to double the dollar amount of private gifts to the University. This goal was achieved in the fourth year, as private gifts and grants reached \$10.3 million. Emphasis during the first five-year campaign was on broadening the base of support.

"The total number of gifts to the University for the last financial year increased from 42,458 to 44,081 — an indication that more alumni and friends are recognizing the needs of Penn State," he said. "Also, certain important areas have shown improvement."

"Corporate giving has gone up 5 percent to \$3,502,341, and gifts to scholarships totaled \$1,390,743 — more than 38 percent above last year's total. On the other hand, deferred gifts actually received decreased approximately \$650,000 this year. Large annual fluctuations in deferred gifts received are normal."

More than 97 percent of gifts to the University are restricted to special uses by the donors. Student aid and enrichment of educational programs are two of the major areas that receive support. Undesignated contributions are allocated by the University.

Undesignated funds for the 1979-80 fiscal year totaled \$332,769. The majority of these funds was allocated to the support of academic programs and support of scholarships and fellowships. Dr. Grubb told the Trustees. Undesignated funds also were used for enrichment of campus life, cultural offerings and improvements to the campus environment.

Faculty Scholar Medals established

The proposal to establish Faculty Scholar Medals for Outstanding Achievement, outlined by President Oswald to the University Faculty Senate at its Sept. 9 meeting, was approved by the Board. Details of the proposal were published in the Sept. 18 issue of INTERCOM.

Naturatorium to be named in honor of Dean McCoy

The Trustees approved a proposal to name The Naturatorium in honor of the late Ernest B. McCoy, dean of the College of Health, Physical Education and Recreation for 18 years. Dean McCoy died Sept. 16.

"The Naturatorium was built under Dean McCoy's leadership of the College," President Oswald said. "This and numerous other achievements made his career at Penn State a most distinguished one."

"It is especially appropriate that the Naturatorium should be named for an administrator whose leadership was instrumental in establishing Penn State's excellent recreational programs and facilities."

Completed in 1967, the Naturatorium has facilities for competitive and instructional swimming and diving. It is used for varsity and intramural competition, physical education classes and recreational swimming. In addition to three pools, the building contains locker room facilities for 800, classrooms and office space.

Dean McCoy came to Penn State in 1952. In addition to serving as dean until his retirement in 1970, he was the University's athletic director from 1954 until 1969.

Ag Arena to be located near Beaver Stadium

The Trustees approved a site near Beaver Stadium for a proposed Ag Arena, to be used for such events as the annual Horticulture Show, animal judging events, 4-H Club activities and College of Agriculture classes.

The location, along Fox Hollow Road, adjacent to the Pennsylvania Department of Agriculture's Meat Animal Evaluation Center, will not affect parking during Penn State football games.

The Penn State Fund Council, in cooperation with the Ag Alumni Society, currently is seeking private gifts for construction of the Ag Arena.

General studies program to be launched in Kiel

Penn State will join in a general studies program with Christian-Albrechts University in Kiel, West Germany, beginning Spring Term 1981.

"This will be the first program in which Penn State students will be fully integrated into regular classes of a foreign university where fluency in a foreign language is required," Dr. Robert E. Dunham, vice president for undergraduates studies, said.

The program will provide students an opportunity to prepare linguistically for participation in German academic and social life. It also will promote an awareness of the social, political and economic problems of a major Western European country with which the United States has close ties.

"Although other, similar German universities might achieve these objectives," Dr. Dunham said, "Kiel was chosen based on existing ties between Penn State and Kiel, and a personal invitation and pledged support from the vice president of Kiel."

Students will begin the program in March with a four- to six-week intensive language instruction course. This will be followed by the Kiel summer semester from mid-April to the end of July. The minimum total credits earned during this time will be 16, including language study.

Prerequisites for the program include a 2.5 minimum grade-point average, six to nine credits in German, and any other

course prerequisites imposed by the student's academic department. Selected courses at Kiel will be approved in advance by Penn State academic departments granting credit for the courses. The Office of Foreign Studies will be responsible for all aspects of the program operation.

Dr. Dunham anticipates that a minimum of 10 undergraduate students per year will participate in this program. Students who participate will pay regular University tuition and will be considered full-time students eligible for standard University benefits, including financial aid.

New format being used for associate degree titles

The new format for designation of associate degree titles, approved last May by the University Faculty Senate, is now in use.

Effective with the Summer Term 1980 commencement, Penn State began conferring only three associate degree titles — Associate in Arts, Associate in Engineering and Associate in Science. Previously, the University conferred 21 different degrees for 31 majors.

The new format was designed to align the University with accepted practice at other universities and to eliminate the redundancy of degree title and major. The changes do not affect the program in any other way.

The individual majors are now grouped under the three designations. Diplomas and transcripts identify both the degree conferred and the student's major.

Associate in Arts will include majors in: Labor Studies, Letters, Arts, and Sciences; Mass Communications — Broadcasting; Mass Communications — Journalism; and Sociology.

Associate in Engineering will include majors in: Air Pollution Control Engineering Technology, Architectural Engineering Technology, Biomedical Equipment Technology, Chemical Engineering Technology, Electrical Engineering Technology, Highway Engineering Technology, Mechanical Engineering Technology, Metallurgical Engineering Technology, Mining Technology, Nuclear Engineering Technology, Railway Engineering Technology, Solar Heating and Cooling Technology, and Surveying Technology.

Associate in Science will include majors in: Agricultural Business, Business Administration, Clinical Health Services, Community Services, Computer Science, Forest Technology, Hotel and Food Service, Medical Laboratory Technology, Nursing, Recreation and Parks, Retailing, Science, and Wildlife Technology.

Engineering drops programs

The associate degree program in Aerospace Engineering Technology and the General Option of the major in Environmental Engineering have been dropped.

The Aerospace Engineering Technology program was useful when there was a demand for support personnel in the aerospace field," Dr. Robert E. Dunham, vice president for undergraduates studies, said. "With a decreased demand in the industry and considerable competition in this area with junior colleges, the program has not been active in recent years."

No students are enrolled in the program and drop action will be effective immediately.

"The dropping of the General Option in Environmental Engineering comes as an effort to streamline and strengthen the curriculum by giving students more time to concentrate on professional courses in their particular fields of interest," Dr. Dunham said.

"Even without this option, the curriculum gives a student a background in all areas of the environment, and a specialized option then provides a tool that will make a more productive graduate," he added.

(Continued on page 4)

News in Brief

United Way drive continues

Penn State's 14,000 employees statewide will be asked to help their neighbors in need during United Way fund-raising drives.

"Each donation counts," says Dr. Richard E. Grubb, senior vice president for administration and University Park Campaign chairperson. "For example, if you give \$1 per agency, or \$17, your contribution would buy two one-hour visits by a registered nurse to an elderly person who needs medical care at home."

United Way is unique in that it is locally conducted and supported by each community. Penn State employees at all locations can contribute to agencies in their areas.

Campus campaign coordinators and dates are: Allentown, John Cooney, Sept. 17 - Oct. 29; Altoona, Kjell Melting, Sept. 26 - Nov. 2; Beaver, Donald Hicks, Oct. 1 - Oct. 31; Behrend College, Ernest Fryer, Sept. 24 - Nov. 8; Berks, Michael Moyer, Sept. 25 - Oct. 15; Capital, Sherry Janis, Oct. 1 - Nov. 15; Delaware County, Eugene Cloud, Sept. 22 - Nov. 3; DuBois, Janet Yates, Sept. 25 - Nov. 10; Fayette, Melvin Henderson, Sept. 17 - Oct. 31; Hazleton, Harold Aurand, Sept. 23 - Oct. 31; Hershey, Benjamin Bronstein, Oct. 1 - Nov. 19; McKeesport, Ruth Baxter, Sept. 22 - Nov. 2; Mont Alto, Martha Fisher, Oct. 1 - Oct. 31; New Kensington, Robert Bernoff, Sept. 1 - Nov. 1; Ogonitz, Robert Bernoff, Sept. 15 - Oct. 15; Schuylkill, Steve Littell, Sept. 10 - Oct. 10; Worthington, Scranton, Frank Yatsko, Sept. 1 - Dec. 31; Shenango Valley, Steven Kessler, Sept. 22 - Oct. 17; University Park, Campus Relations, Sept. 29 - Oct. 10; Wilkes-Barre, Nils Parr, Sept. 29 - Oct. 3; York, David Stewart, Sept. 1 - Nov. 31.

Dr. Wise to address housing educators conference

Dr. Helen D. Wise, executive director of the Delaware State Education Association and a trustee of the University, will deliver the keynote address at the annual conference of the American Association of Housing Educators, to be held Monday through Wednesday, Oct. 6, 7 and 8, at the University.

"Influencing Legislation and Public Policy" will be Dr. Wise's topic, and the public is invited to attend her presentation at 1 p.m. on Oct. 6 in Keller Auditorium.

The theme of this year's conference is "Housing and Public Policy in the 1980s," according to Dr. Joseph L. Wysocki, associate professor of home economics extension and local arrangements chairman for the conference.

The public is also invited to hear a paper by Richard L. Bullock, vice president of the Consultative Council, National Institute of Building Sciences. He will speak on "NIBS - A New Approach to Solving Housing Problems in the '80s" at 3 p.m. on Oct. 7. His talk will be in Keller Auditorium, as will the paper at which the public is welcome. Wednesday Oct. 8, at 3:15 p.m., Arthur Norton, of the U.S. Census Bureau, will discuss "Population Trends in the '80s," followed by Dale Rioridan, of the Federal Home Loan Bank Board, speaking on "Implications for Housing and Public Policy."

Talk to trace history of design of campus buildings

As part of Penn State's 125th anniversary celebration, Walton J. Lord, associate professor of art history, will speak on "Penn State Buildings: 125 Years of Campus Architecture" at 8 p.m., Tuesday, Oct. 7, in the HUB Assembly Hall.

Some of the earliest buildings at Penn State are currently featured in a display in the East Wing Gallery of Patten Library. The lecture will examine factors that influenced the design of early campus buildings.

Pittsburgh chamber group to offer several concerts

The Pittsburgh Symphony Chamber Orchestra, under the direction of Zsuzsanna Goldberg, will be in residency at Penn State Oct. 7-11. It will present two evening concerts, each with a different program, in Eisenhower Auditorium, as well as a Youth Concert on Saturday morning.

These concerts are sponsored by the Artists Series, and tickets for them are on sale at the Artists Series booth in the HUB and at Eisenhower Auditorium box office. Phone orders for the evening performances only may be placed on Mastercard or VISA by calling 863-0255 weekdays from 9 a.m. to 4 p.m.

The Chamber Orchestra residency is being sponsored by the School of Music and will afford its students the opportunity to rehearse and perform with the Pittsburgh musicians.

The first evening concert will be at 8:30 p.m. on Friday, Oct. 10, with Mr. Goldberg performing the dual role of conductor and violin soloist. The program will include two Romances for violin and orchestra by Beethoven, Schubert's Rondo in A Major for violin and orchestra, Stravinsky's Concerto in D for String Orchestra, and Haydn's Symphony No. 104.

Mr. Goldberg, a Polish-born violinist, was selected at the age of 16 to lead the Dresden Philharmonic Orchestra and four years later became the conductor of the Berlin Philharmonic. As soloist and member of a string trio with Hindemith and Feuerman and as a sonata partner of Lili Kraus, he toured extensively. In 1955, he was asked by the Dutch Minister of Culture to form the Netherlands



Boris Bloch

Chamber Orchestra. He also has been guest conductor of the BBC, Boston, Chicago, and Cleveland Orchestras.

The Chamber Orchestra will perform again at 8:30 p.m. on Saturday, Oct. 11, with the Russian pianist Boris Bloch as soloist. Mozart's Symphony No. 40 in G Minor; Beethoven's Concerto for Piano and Orchestra, No. 2 in B-flat Major; and Schubert's Symphony No. 3 in D Major comprise the program.

Winner of numerous international awards, the 29-year old Bloch has performed around the world, including appearances at nine of the most prestigious international festivals in Europe and the United States. His performance of the

Rachmaninoff Concerto No. 3 at the Spoleto Festival USA in South Carolina made such an impact that a repeat concert was given one week later - a first in the festival's history.

In addition to the two evening concerts, the Pittsburgh Symphony Chamber Orchestra will give a Youth Concert at 10:30 a.m. Saturday in Eisenhower. This is the first event in the Live Arts for Young Audiences series. The concert, entitled "What Strikes Your Fancy?," features Conductor Michael Lankester.

From 1969 to 1973, Mr. Lankester was music director of the National Theatre of Great Britain, and for several years was head of the Music Department at the Royal College of Music, where he continues as a member of the conducting staff.

As part of the Chamber Orchestra's residency, he will conduct its members and those of the Penn State Symphony in Dvorak's Symphony No. 8 in G Major, opus 88, at 7 p.m. on Tuesday, Oct. 7, in Eisenhower.

Two student rehearsals are scheduled for Wednesday, Oct. 8. At the first of these, Mr. Goldberg will conduct the Pittsburgh players and Musica da Camera in a performance of the Symphony No. 104 in D Major by Haydn beginning at 1:30 p.m. At 7 p.m., the Pittsburgh musicians and members of the Penn State Symphony will perform Beethoven's "Egmont Overture" and the "Fantasia on a Theme by Thomas Tallis" by Vaughan Williams under the direction of Mr. Lankester. Both rehearsals are in Eisenhower and are open to the public.

According to Professor Lord, the oldest classroom building, Botany Hall, shows an awareness of work by America's leading architect of the 1880s, Henry Hobson Richardson. Ten years after the triumph of the Beaux Arts style at the Chicago World's Fair in 1893, Schwab Auditorium was constructed as an architectural reflection of the Renaissance classicism of the White City on Lake Michigan.

Charles Klauder so admired the Adamesque Federal beauty of New York's City Hall, Professor Lord notes, that his 1920 Old Main owes much to the design of one of the finest American public buildings of the early republic. Likewise, Waring Hall on Burrows Road seems transplanted from Samuel McIntire's Salem.

Professor Lord has taken numerous photographs of campus buildings. His presentation will include structures that have gone, such as the Old Amory, and buildings that have arrived as replacements, such as the new Willard Building.

The lecture, sponsored by the Department of Art History, is open to the public.

Children's classes offered

A program of basic movement skills, educational gymnastics, and games will be sponsored by the College of Health, Physical Education and Recreation for children in kindergarten through third grade.

The program will be held on Tuesdays from 4 to 5 p.m. from Oct. 7 through Nov. 11 in Room 133 White Building. Registration will be Oct. 7 at 3:45 p.m. in the lobby of White.

Kern Cafeteria hours

Effective Monday, Oct. 6, Kern Cafeteria will be open from 7 a.m. to 6 p.m., Mondays through Fridays. The Cafeteria is closed Saturdays and Sundays.

The Kern Commons information desk, lobby and exhibit area open at 7:30 a.m.

New "Pivot" on sale

Pivot, a poetry magazine founded by Joseph L. Grucci as an outgrowth of the poetry workshop which he taught while a member of the English faculty at Penn State, is celebrating its 30th anniversary with a newly published issue - available at local bookstores or in 5139 Burrows.

The magazine, Mr. Grucci notes in an introduction, has existed to publish "besides the seasoned talent, the new, the untied and the not-so-young but undervisually neglected poet."

Among the contributors to the current issue, which has been edited by Mr. Grucci, with the assistance of Jack McManis, associate professor of English, are former Senator Eugene J. McCarthy and Lamont Poetry Prize winner John Balaban, an associate professor of English.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff non-exempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 863-1387 (network line 473-1387). Applications for these staff vacancies will be accepted until 5 p.m., Oct. 9, 1980. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

MANAGER OF PERSONNEL, COLLEGE OF MEDICINE, HERSHEY - Responsible to the Associate Provost of Management for administering various aspects of the personnel program at the Medical Center, including creating and establishing programs in accordance with the principles as established for initiating and establishing broad programs under very general direction, taking responsibility for initiating adjustments in new or revised areas of responsibilities. Scope of responsibility includes, but is not limited to: training, personnel records, employee relations, salary administration and job classification and recruitment. A bachelor of science degree, preferably in personnel or business administration, plus five to seven years of effective hospital personnel experience.

PROJECT COORDINATOR, INTERCOLLEGE RESEARCH PROGRAMS - Supervision of aerosol laboratory. Responsible for generation and

measurement of aerosols for research activities; maintenance and performance of electronic instrumentation and design of circuitry for specific research needs. Writes and documents computer programs for the IBM computer and an in-house microcomputer. Assists in preparation of research proposals and reports. Bachelor's degree in engineering, physics or related field, plus two to three years of effective experience involving aerosol technology and computer programming required. A working knowledge of electronics and aerosol instrumentation also required.

PRE-SCHOOL EDUCATION SPECIALIST, COLLEGE OF MEDICINE, HERSHEY - Responsible to the Pediatric Clinical Psychologist for the diagnostic evaluation and therapeutic management, planning and coordination of clinical programs related to behavior and development problems in young children. A master's degree in early childhood special education, early childhood development, pre-school education, or comparable subjects, and one to two years of effective experience working with developmentally delayed children in a clinical medical setting.

NUTRITIONAL CARE TECHNICIAN, COLLEGE OF MEDICINE, HERSHEY - Responsible to Senior Nutritional Care Technician for the operation of the Diet Office and to a clinical dietitian in providing nutritional care to patients. Associate degree in foods and nutrition or equivalency and 6 to 12 months of effective experience.

COMPUTER OPERATOR, COLLEGE OF MEDICINE, HERSHEY - 2 VACANCIES - Responsible to the Manager of Medical Computer Center, College of Medicine, for monitoring and controlling electronic computers on established routines and for assisting department staff members as required. Two years of college or equivalent, with one to two years of experience in data processing, required.

Funding Sources

For further information, call 865-1377. (346-1) The latest *Deadlines* report (for December 1980) from the Office of Federal Programs includes many interesting programs for faculty and graduate students. Among them are: (1) *Postdoctoral Grants for Research on Foreign Areas* (Dec. 1) - Social Science Research Council (212-557-9500); (2) *American Fellowships - Dissertation and Postdoctoral Research* (Dec. 15) - for women, AAUW (202-785-7734); and (3) *Gulf Oil Aid to Education* - Graduate Fellowship Foundation Grants (Dec. 31) - in science, engineering, and business (412-263-5191). Ask us for more information and a copy of OFP deadlines - this and future issues - to keep informed about funding opportunities.

Penn State Intercom

News in Brief

British critic to address Comp Lit Luncheon Oct. 14

"Drama and Its Public Image" will be the subject of a talk by Philip Radcliffe, British music and theatre critic and director of communications at the University of Manchester.

He will address the Comparative Literature Luncheon at 1 p.m. Tuesday, Oct. 14, in the Donovan Room, 204 HUB. A salad bar lunch is available (for \$2.25) at 12:15 p.m. Both the lunch and talk are open to the public.

During Mr. Radcliffe's visit — his fourth to Penn State — he will participate in several classes. A regular contributor to a wide range of British national and educational media, he is a critic for the *Sunday Times* and *Daily Mail* and editor of *Communication* magazine. His professional experience includes six years at the BBC, where he worked in news, current affairs and documentaries.

At Manchester he serves as course director for Mass Media Studies, short courses for students from foreign universities — among them, Penn State.

Economist, 1960s' activist sponsored by Colloquy

Frank Vogl, U.S. economics correspondent for *The Times* of London and sixties' activist Jerry Rubin are being brought to University Park this month by Colloquy. Mr. Vogl will speak at 8 p.m. Monday, Oct. 13, in Schwab Auditorium; Mr. Rubin at 8 p.m. on Thursday, Oct. 16, in Eisenhower Auditorium.

Mr. Vogl has been based in this country since 1974. He will discuss the international monetary situation, the future of the world economy and take a look at the American economy from his perspective as a European. Author of a book, *German Business After the Economic Miracle*, he is a frequent contributor to financial journals.

Mr. Rubin, a co-founder of the Yippies, anti-war leader and member of the Chicago Seven during the sixties, is currently working for an "off-Wall Street" firm, John Muir & Co. His books include *Do It and Grow Up* (Up), and he is co-author of *The War Between the Sheets*. His subject at Penn State is "Twenty Years of Change," and the talk is co-sponsored by the Homecoming Committee.

Women sought for overseas development projects

An effort is being made to identify registrants for inclusion on a roster of faculty members, foreign students, and spouses who are interested in international development issues and projects. The roster is being sponsored by the Center for Women in Development (CWID), which is a part of the Southeast Consortium for International Development (SECID). SECID is a consortium composed of 31 academic and research institutions in the southeast, including Penn State. The purpose of the organization is to provide research, training, and extension services to developing countries. CWID was established in May 1980 with the aim of increasing the participation of women from SECID member institutions in overseas activities and to engage in the planning and implementation of projects which directly address the needs of women

(Continued on page 6)

Boyer to speak at Scholars Convocation

Dr. Ernest L. Boyer, president of The Carnegie Foundation for the Advancement of Teaching and former U.S. commissioner of education, will be the featured speaker at a University Scholars Convocation to be held at 4:15 p.m. Monday, Oct. 13, in Schwab Auditorium.

Dr. Boyer will be introduced by President Oswald.

The convocation marks officially the inauguration this fall of the University Scholars Program. About 325 students have enrolled, according to Dr. Paul Axt, program director.

Established last year by the University Faculty Senate, the program is designed for students of exceptional academic promise. Special honors sections of courses have been developed for them, and they also may design individualized programs of independent study.

The entire University community is invited to attend the convocation.

Dr. Robert E. Dunham, vice president for undergraduate studies, will open the convocation. He will be followed by Provost Eddy, who will address his remarks to the University Scholars. One of the University Scholars will offer a student perspective on the program, and Dr. Axt will make the concluding remarks.

Several musical selections will be presented by the graduate student members of The Atherton String Quartet, which was formed last summer by the School of Music.

Dr. Boyer, one of the nation's leading educators, assumed his post with The Carnegie Foundation on Jan. 1 of this year. In addition to serving as the 23rd commissioner of education, he was chancellor of the State University of New York from 1970 to 1977. As head of SUNY, the largest university in the country, he directed a system with 64 institutions and more than 350,000 students.

Born in Dayton, Ohio, in 1928, Dr. Boyer graduated *cum laude* from Greenville (Illinois) College. His M.A. and Ph.D. degrees were granted by the University of Southern California, and he held a post-doctoral fellowship in otolaryngology at the University of Iowa from 1959.



Dr. Ernest L. Boyer

Dr. Boyer has received honorary degrees from 36 U.S. colleges and universities and in 1971 was awarded the President's Medal by Tel-Aviv University.

Beginning his academic career at Loyola University (Los Angeles), Dr. Boyer served as academic dean at Upland College (California), as director of the Western College Association's Commission to Improve the Education of Teachers, and as director of the Center for Coordinated Education of the University of California at Santa Barbara. He joined SUNY in 1965 as executive dean for university-wide activities.

An innovative educator, at SUNY he developed an experimental three-year A.B. degree program, launched a new non-campus institution called Empire State College, established the new rank of Distinguished Teaching Professor and

negotiated the first undergraduate exchange program with the Soviet Union.

As commissioner of education, Dr. Boyer emphasized excellence in education and the centrality of language, and during his tenure the federal budget for education increased 40 percent.

His service on national commissions has included the National Commission on the Financing of Postsecondary Education, the Commission on Critical Choices for Americans, the Carnegie Council on Policy Studies in Higher Education, the President's Advisory Council on Women's Educational Programs, and the President's Commission on Foreign Language and International Education.

During 1974-75, Dr. Boyer was president of the National Association of State Universities and Land-Grant Colleges.

South Africa's new role is subject of symposium

The rapid, and in some cases radical, changes in the political and economic postures of the nations in Southern Africa are the focus of an Oct. 13-14 University symposium, "South Africa in Southern Africa."

The symposium is sponsored by the African Studies Committee of the University's Black Studies Program.

Members of the Penn State community may attend any or all sessions without charge. A \$10 fee will be charged persons not affiliated with Penn State.

The symposium will bring together the best available academic expertise to analyze South Africa's emerging new roles in Southern Africa. Participants will hear a keynote address by Richard M. Moose, assistant secretary of state for African affairs. He will speak on "The Carter Administration in South Africa" at 8 p.m. on Oct. 13 in Room 105 Forum Building.

Mr. Moose has been in his present post since July 1977. He began his career with the Foreign Service, served on the staff of the National Security Council and was a



Richard M. Moose

member of the staff of the Senate Foreign Relations Committee. He participated in a major study of the national security decision-making process, organized by the Institute for Defense Analysis and published by Praeger under the title, *The President and the Management of National*

Security. He is the co-author of 10 published Committee on Foreign Relations staff reports.

Dr. Thomas Callaghy, assistant professor of political science who is serving as conference chairman, points out that South Africa appears to be redefining its position in Southern Africa as the result of events following on the Portuguese coup of April 1974. Since that time, Mozambique and Angola have become independent socialist states and Zimbabwe has acquired independence.

International negotiations over the status of Namibia continue haltingly, and economic changes in the international arena have greatly affected the area, Dr. Callaghy notes.

Support for the symposium has been provided by the Institute for the Arts and Humanistic Studies, the College of the Liberal Arts, the Institute for Policy Research and Evaluation, the Political Science Department, the Provost, and the Graduate School.

(Continued on page 5)

Penn Staters

Dr. Harry R. Allcock, professor of chemistry, recently presented an invited lecture at the International Union of Pure and Applied Chemistry Symposium on Structural Order in Polymers held in Florence, Italy. He spoke on "Controlled Synthesis of Organic-Inorganic Polymers that Possess a Backbone of Phosphorus and Nitrogen Atoms." Earlier in the summer Dr. Allcock gave invited lectures in New Hampshire at the Gordon Research Conference on Elastomers (New London) and at the Gordon Research Conference on Immobilized Species (Plymouth).

Richard L. Frautschi, professor of French and department head, recently presented an invited paper ("Selected Function Word Frequency in the *Encyclopedie* and in an Essay attributed to Montesquieu") at a Colloquium on Political Lexicology, a meeting sponsored by the Centre National de la Recherche Scientifique in Paris.

Dr. Gordon C. Godbey, professor of education, has been appointed to serve on the Pennsylvania Task Force for Adult Education. This group is concerned with the implementation and refinement of the State plan for Adult Education, which has recently been revised. The Task Force meets quarterly in Harrisburg, in the Department of Education, with additional meetings on call at the request of the Secretary of Education.

Dr. Luis F. Gonzalez-Cruz, professor of Spanish at the New Kensington Campus, recently presented a paper at the First International Congress on Lope de Vega and the Origins of the Spanish Theatre held in Madrid. Professor Gonzalez-Cruz's presentation was entitled "Especificidad tematica de los sonetos de 'El perro del hortelano'." ("Thematic Essence of the Sonnets in 'The Gardener's Dog'"). This congress, in which prominent scholars from the United States and Spain participated, took place the first week in July and was sponsored by a cultural foundation supported by the Spanish Government.

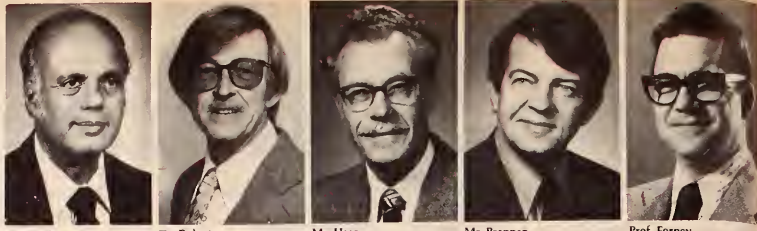
Dr. Edwin L. Herr, professor and head, Division of Counseling and Educational Psychology, was the keynote speaker on Sept. 19 at the World Congress on Employment Counseling held in Ottawa, Canada. The 700 delegates represented more than 30 nations. Dr. Herr's presentation was entitled "International Perspectives on Policy in Guidance and Counseling." On Sept. 16, he addressed the Invitational Symposium on Reform in Secondary Education conducted by the Ontario Ministry of Education. He discussed international approaches to career development programs and services.

Robert L. Kabel, professor of chemical engineering, has been appointed to the editorial board of the *AIChE Journal*, the primary research publication of the American Institute of Chemical Engineers.

Dr. Richard M. Lerner, associate professor of child development, and Dr. Graham B. Spanier, associate professor of human development and sociology, are donating all royalties from a recent book they co-edited to the Individual and Family Studies (IFS) program of the College of Human Development. The book, *Child Influences in Marital and Family Interaction: A Life-Span Perspective* (Academic Press, 1978), grew out of a scholarly conference held at Penn State, and its royalties will be used by IFS to support future conferences on topics relating to life-span development.

Wolfgang E. Meyer, professor emeritus of mechanical engineering, has been awarded Honorary Membership in the American Society for Testing and Materials for his role "as a leader in research, development of equipment and standards, and dissemination of technical knowledge."

Dr. Grayson Noley, assistant professor of education and director of the Native American Program, has been invited to serve as guest editor of an issue of the



Dr. Jacobs

Dr. Roberts

Mr. Haas

Mr. Brannan

Prof. Forney

Harvard Education Review to be published next year. The focus of the issue will be American Indian education. Dr. Noley is presently chairman of American Indian and Alaskan Native Education, a special interest group within the American Education Research Association. He will be the keynote speaker at the National Indian Education Association meeting to be held in Dallas Oct. 19-22. The theme of the meeting is "Indian Education in the 80s: From Survival to Quality."

Dr. John E. Searles, professor of education, returned recently from Portugal where he lectured on computer-based education and on instruction in social studies at several universities for audiences of faculty members and government officials. Dr. Searles went to Portugal as a Fulbright Fellow.

Dr. Ernst Schurer, professor and head of German, presented a paper on "The Industrial Play during the Period of New Objectivity" in Basel, Switzerland, at the Sixth Congress of the International Association for Germanic Languages and Literatures. He also was invited to participate in and chair a section in an International Symposium in Ludwigsburg, West Germany, on "The Epic and Epic-Research in the 20th Century," sponsored by the Alexander von Humboldt Foundation.

Dr. Gerhard F. Strasser, assistant professor of German, presented a paper at the Sixth International Congress of Teachers of German held last August in Nuremberg. His presentation was entitled "Various Approaches to the Training of Teaching Assistants at American Universities." The paper was illustrated with representative videotapes made in German courses at Penn State.

Dr. T. T. Tsong, professor of physics, was awarded a fellowship by the Japan Society for the Promotion of Science to visit various laboratories and to give lectures and seminars at several universities and technological institutes in Japan last summer. He presented seminars at Tokyo University, Nagoya Institute of Technology and Osaka University on recent developments in atom-probe and field ion microscopy and studies of surface segregations in dilute alloys. While at Osaka, he also gave a public lecture entitled "Recent Progress in Atom-probe and Field Ion Microscopy," co-sponsored by Kansai (Osaka and Kyoto area) sections of The Japan Society of Applied Physics and The Japan Society of Electron Microscopy. Dr. Tsong was among a group of scientists from the University who attended and presented papers at the 27th International Field Emission Symposium held July 7-12 in Tokyo.

Bookshelf

Paul West, professor of English and IAHES Fellow, recently published his ninth novel, *The Very Rich Hours of Count von Stauffenberg*, about the July 20, 1944, bomb-plot against Hitler.

The *New Yorker* described the book as "an astonishing union of research and imagination" and *Publishers Weekly* as "an important novel... extremely well written and moving..." while *The Washington Post* found it "a serious and deep meditation on the life of a unique and altruistic man..." and "an impressive

feat of ventriloquism." *Kirkus Reviews* called the book "a tapestry of astounding horror" and historian H. Stuart Hughes "consistently engrossing... a richly informed account, historically scrupulous... an intense and rewarding reading experience."

Professor West received a Creative Writing fellowship from the National Endowment for the Humanities in 1979. On Sept. 18 of this year, he was a guest at the premiere of the PBS "Cosmos" TV series at the National Academy of Sciences, and on Sept. 20 he took part in a symposium on modern fiction at Indiana University at Bloomington, together with Carlos Fuentes, Juan Goytisolo, Mario Vargas Llosa, and William Cass. The title of Professor West's presentation was "The Tiger in the Music Room. The Mollusk in the Zoo."

Dr. Jane M. Madsen, associate professor of education, is co-author of a book entitled *Please Don't Tease Me...*, with Diane Bockoras, a former Penn State student.

Published by Judson Press of Valley Forge, the book is a true story about Diane Bockoras and what it was like for her as a child to be handicapped by Leukocytoclastic Angiitis, a disease which resulted in deforming arthritis, and teased about something she couldn't help.

The book's aim, Dr. Madsen says, is to help teach children the importance of being kind and considerate to everyone in need of encouragement. It is recommended for older elementary students and for parents to read to younger children.

Appointment

Dr. David J. Brown has been named director of the Mental Health Center, effective Nov. 1. An affiliate associate professor of psychology, Dr. Brown has been serving as acting director of the Center since October 1979. He first came to Penn State in 1969 as a psychology intern with the former Division of Counseling. A year later he left to teach psychology for the University of Maryland in the Far East. He has been a staff clinical psychologist and lecturer at Loyola University in Chicago and was clinical director for the New York City Employees Counseling Service while also teaching at Hunter College in New York.

Dr. Brown came to the Center in 1974 as a staff clinical psychologist. He received his B.A. in philosophy at Maryknoll College, and his M.A. and Ph.D. in psychology from Ohio State University.

25-year chairs

For James R. Brannan, banquet manager of the Nittany Lion Inn, the "personal touch" might well be the key to his successful 25-year career at Penn State. Customers of the Inn, returning over the years for events such as football games, find themselves being greeted by Mr. Brannan and called by name. "It's very important to know the people patronizing your business," he says.

Mr. Brannan came to the University out of Lewistown High School with his senior year still to be completed. He started as a part-time worker in the apple orchards and then moved to the HUB in the banquet division. After finishing his high school education at State College High School in

1955, he took a full-time job as busboy/waiter in the main dining room of the Inn. Within two years, he had been promoted to banquet captain and in the early 1960s became banquet manager.

In this role, Mr. Brannan makes certain that proper service is provided at each banquet by his 35-40 part-time employees, most of whom are high school juniors and seniors. He supervises five private dining rooms and the main dining room and is responsible for planning menus for banquets. The Inn may host as many as six banquets a day or 25-30 a week, anything from wedding receptions and bar mitzvahs to a summer clam and lobster party with live Maine lobsters.

"When I began," he notes "our business was mostly generated during football season. Now we're busy year-round. I'm also starting to employ some of the children of the students who worked for me in earlier years."

Off duty, Mr. Brannan is a semi-professional photographer, a hobby that he acquired in high school. His work ranges from sorority composites and senior pictures to wedding portraits. He is also an avid newspaper clipper, collecting clippings about Penn State, State College, friends, and "everything from soup to nuts."

Charles Forney Jr., assistant director of the Computation Center and an assistant professor of computer science, has received his 25-year chair from the University.

Mr. Forney came to Penn State as a student in 1950, receiving his B.S. in sanitary engineering in 1954 and his M.S. in 1958. He was appointed an instructor in the Department of Civil Engineering in 1955, and became interested in working with computers as part of a teaching assignment in that department. Three years later, he was coordinating a computer course through the Office of the Dean of Engineering, and by 1960 Mr. Forney had joined the staff of the newly formed Computation Center. In 1962, he served as acting director of the Computation Center, and he has been assistant director of the Center since 1963.

Mr. Forney is a systems programmer at the Computation Center, coordinating the interface between the users and the equipment. As an assistant professor in the Department of Computer Science, he teaches an introductory course each year. A member of the Patton-Ferguson Joint Sewer Authority for 18 years, Mr. Forney has served as the Authority's chairman for 10 years.

An avid outdoorsman, he is a photographer whose favorite subjects are wildflowers.

Two of his four children are Penn State graduates, and a daughter is enrolled as a freshman.

Dr. William I. Roberts III, associate professor of history at Ogonitz, received his 25-year chair from Campus Director Robert A. Bernoff at the annual faculty meeting which initiated Fall Term. Ogonitz was a "Center" with just a few hundred students when Dr. Roberts began teaching there in 1955. He was one of two men who comprised the history department, though he came from a job in industry with a background that included chemistry, engineering, and some medical school credits, courtesy of the War Department.

Dr. Roberts completed his dissertation

(Continued on page 1)

Arts Roundup



Professor Brown, Mrs. Triolo

Brown, Triolo to perform Schubert's 'Winterreise'

Franz Schubert's song cycle *Winterreise* will be performed by bass-baritone Raymond Brown, professor of music, and pianist Phyllis Triolo at 8:30 p.m. Monday, Oct. 13, in the Music Building Recital Hall.

Winterreise was written in 1827 and correction of the proof was completed by Schubert just before he died. This performance will mark the second time in three years that Professor Brown and Mrs. Triolo have presented a concert of German songs. For a concert in 1977, they performed two Schumann song cycles.

Professor Brown is director of choral music and a Fellow in the Institute for the Arts and Humanistic Studies. He has presented numerous recitals throughout the area, as has Mrs. Triolo, who studied at the Juilliard School of Music and the Paris Conservatory.

Smith to preview new work by Beall at Oct. 15 recital

A preview of a new work in fantasy form by John Beall will be performed by pianist Steven Smith, associate professor of music, in a recital at 8:30 p.m. Wednesday, Oct. 15, in the Music Building Recital Hall.

Other works by Mr. Beall, composer in residence at West Virginia University, have been featured in performances at the University, and two of his works have been premiered at Penn State.

Professor Smith will also play five piano pieces from Brahms' *Opus 116* — three Capriccios and two Intermezzi — and the Sonata in B flat, *opus 106* ("Hammerklavier" by Beethoven. This work is often considered to be Beethoven's greatest in the form.

Professor Smith received his doctorate in performance from the Eastman School of Music and the Diploma from the Mozarteum in Salzburg, Austria, where he was a Fulbright Scholar.

Among his recent appearances was a recital at the Philadelphia Museum of Art.

Goodman exhibit will visit three other museums

The exhibit of paintings, drawings and graphics by Sidney Goodman, organized by Penn State's Museum of Art, will travel to three other museums.

The show will be exhibited at the Queens Museum in Flushing, N.Y., from Nov. 8-Jan. 4; at the Columbus (Ohio) Museum of Art from Jan. 17-Feb. 18; and at the Delaware Art Museum in Wilmington from May 1-June 14.

AVS has 13 Japanese films

Thirteen films designed to enhance Americans' awareness and understanding of Japanese culture now are available from Audio Visual Services following an agreement between Penn State AVS and the Japan Foundation of Tokyo.

The programs, which can be used without charge in University classrooms, will be of interest to faculty members who deal with such materials as printmaking and woodcut masters, picture scrolls, historical narratives, architecture, archaeology, theater, judo, and the role of women. Most of the films range from 20 to 30 minutes in length, but there is also a four-part, 81-minute program exploring the sources and expressions of Japanese character.

A detailed pamphlet describing all the programs is available on request by calling Audio Visual Services' Reference and Advisory Unit at 865-6316.

Funding Sources

For further information, call 865-1372

(347-1) The NRC Research Associateship Programs (in Federal laboratories) for 1981 provide research opportunities in atmospheric and earth sciences, chemistry, engineering, environmental sciences, life sciences, mathematics, physics, and space sciences. About 250 awards will be made to recent recipients of the doctorate and to senior investigators. Stipends begin at \$20,000 per year. Call the National Research Council at 202-389-6554. Deadline Jan. 15, 1981.

(347-2) The 1981 Harry S. Truman Scholarship Competition is an excellent opportunity for a student interested in government service. Sophomores who will be juniors in the Fall of 1981 are eligible to apply for the \$5,000 provision. One or two nominees are permitted from each institution. Interested students should submit (1) a letter of application, (2) an up-to-date official transcript, (3) three letters of recommendation from University instructors, and (4) a paragraph outlining career plans. A GPA of 3.00 or better and ranking in top-quarter of class is required, in addition to being a U.S. citizen. Send applications to: John D. Marx, Chairman, Scholarship Committee, Department of Political Science, 112 Burrows Building, Deadline 5 p.m. Friday, Oct. 31, 1980.

South Africa

(Continued from page 1)

All sessions of the conference will be held in the Hetzel Union Building North Lounge. Speakers and their topics are:

Oct. 13

9:30 a.m., "South Africa's Role in Southern Africa," Jeffrey E. Butler, Wesleyan University.

10:30 a.m., "After the 1974 Portuguese Coup: New South African Foreign Policy Orientations," J.E. Spence, Leicester University, England.

1:30 p.m., "South Africa, Southern Africa and the World System," Timothy M. Shaw, Dalhousie University, Canada.

2:30 p.m., "Apartheid and Socialism: South Africa's Relations with Angola and Mozambique," John Sassi, Gulf Oil Corporation.

3:30 p.m., "South Africa and Namibia," John Seiler, formerly of Center for Strategic and International Studies, Georgetown University.

Oct. 14

9:00 a.m., "South Africa and the Political Economy of Southern Africa," Kenneth W. Grundy, Case Western Reserve University.

10 a.m., "South Africa's Strategic/Military Situation in Southern Africa," Chester A. Crocker, Center for Strategic and International Studies, Georgetown University.

11 a.m., "Zimbabwe and Southern Africa," Boniface Obichere, University of California at Los Angeles.

1:30 p.m., "South Africa's Relations

with Lesotho, Swaziland and Botswana," Bernard Magubane, University of Connecticut.

2:30 p.m., "South Africa and Resistance Groups in Southern Africa," Thomas Karis, City University of New York.

3:30 p.m., "Apartheid and Absolutism: South Africa's Relations with Zaire," Dr. Callaghy.

From the Press

Fiction as Wisdom: From Goethe to Bellow. By Irvin Stock. 240 pages. \$16.95.

A professor of English at the University of Massachusetts at Boston, Dr. Stock is the author of *William Hale White (Mark Rutherford): A Critical Study* and *Mary McCarthy*. In this book of essays, he seeks to arouse the reader's interest in novels he feels have been neglected or misjudged. More than that, he writes: "These essays are attempts to convey the experience of delight and joy and the understanding arrived at through sympathy. And the other aim of this book is to serve as a reminder of an old idea, that the chief object of literature is to give pleasure and wisdom. . . ."

The essays deal with an "unknown" writer (William Hale White); two now "unfashionable" (Goethe and Cade); the "celebrated" (Eliot, Hawthorne, Mann), represented by works Dr. Stock considers undervalued; current writers "with still fluctuating reputations" (McCarthy and Bellow); and the "universally admired" (Dostoevsky.)

Five Hubert H. Humphrey Fellows studying at University

Officials from five foreign nations are studying at the University as 1980-81 Hubert H. Humphrey Fellows. They are being hosted by the Institute of Public Administration.

Nationwide, 91 foreign officials are enrolled as Humphrey Fellows at 18 different institutions. The program, in its second year, is designed to enhance the professional capabilities of young leaders from the developing world who are dedicated to a career in public service.

According to the Institute's director, Dr. Robert J. Mowitz, the five Fellows at Penn State are in a public administration "cluster." They include:

Malik Shahid Hamid, assistant commissioner and subdivision magistrate, Larkana Sind, Islamic Republic of Pakistan;

Abdel Rahman Kamblawi, assistant undersecretary, Ministry of Finance,

Government of the Sudan, Republic of the Sudan;

Nicos Nicolaou, senior administrative officer, Cyprus Port Authority, Republic of Cyprus;

Harishchandra Rai, section officer,

Department of Administrative

Management, Royal Government of

Nepal, Kingdom of Nepal; and

Kalonji Tshoya, head, Office for Land Amenities, Ministry of Land Management, Shaba Province, Republic of Zaire.

"We are pleased to be among the 18 universities selected to host rising leaders of these nations," Dr. Mowitz noted. "It's a recognition of what Penn State has to offer in the field of public administration."

The Hubert H. Humphrey Fellowship Program is funded by the U.S. government through the International Communication Agency which directs the program.



Actor Stephen Keener (fourth from left), who played Sid in URTC's production of "Ah, Wilderness!", shared his expertise at walking on stilts during a month-long workshop for Children's Theatre students. Here he poses with his "graduates."

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University Park Calendar

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Oct. 9 - 19

Special Events

Thursday, Oct. 9

Kern/WPSX-TV, *Cosmos series*, "One Voice in the Cosmic Ocean," noon, Kern Lobby.
 FSHA 410, German Oktoberfest, 6 p.m., Maple Room. Henderson. Reservations, 865-1736, 8 a.m.-5 p.m.
 Cinematheque, *Mahler*, 7 and 9 p.m., HUB Assembly Hall.
 CSA film, *Murphy on the Bounty*, 6 and 9 p.m., Room 10 Sparks.
 Sports: volleyball (women) vs. Laurentian, 7 p.m.
 Kern Theatre, "Story Theatre," 8 p.m., Room 112 Kern; dessert reception for cast and audience following performance, Room 102 Kern.

Friday, Oct. 10

Fixed date for meetings involving Commonwealth Campus faculty.
 Sports: volleyball (women), Lady Lion Invitational, through Sept. 11.
 Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Thomas Falk, Stockholm School of Economics, on "Retailing in Norrkoping."
 CSA film, *Murphy on the Bounty*, 6 and 9 p.m., Room 10 Sparks.
 SFO film, *Frankenheimer, The Fixer*, 6:30 and 9 p.m., HUB Assembly Hall.
 American Series/IAHS film, 1968, 8 p.m., Room 115 EE West.
 Kern Theatre, "Story Theatre," 8 p.m., Room 112 Kern; dessert reception following performance, Room 102 Kern.
 Artists Series, Pittsburgh Chamber Orchestra, Szymon Goldberg, conductor, 8:30 p.m., Eisenhower Auditorium.

Saturday, Oct. 11

Fixed date for meetings involving Commonwealth Campus faculty.
 Last date for final oral doctoral examinations for Nov. graduates and for Nov. graduates to deliver masters' theses or papers to adviser.
 Sports: rifle, Penn State/Army/Navy ROTC, 8 a.m.; cross country (women) vs. Virginia, 10 a.m.; bowling vs. Maryland, 1 p.m.
 Artists Series, Pittsburgh Chamber Orchestra, Youth Concert, Michael Lankester, conductor, 10:30 a.m. Concert, Szymon Goldberg, conductor, 8:30 p.m., both, Eisenhower Auditorium.
 CSA film, *The Caine Mutiny*, 7 and 9 p.m., Room 10 Sparks.
 Kern Theatre, "Story Theatre," 8 p.m., Room 112 Kern; dessert reception following performance, Room 102 Kern.

Sunday, Oct. 12

Sports: lacrosse (men), Penn State Invitational, bowling vs. Gettysburg, 1 p.m.
 University Chapel Service, 11 a.m., Eisenhower Chapel. The Rev. William H. Rader, the United Church of Christ, Boalsburg, speaker.
 Shaver's Creek Nature Center, Action Socialization Experience, 1 p.m., Stone Valley. Pre-registration, 865-1851, 8 a.m.-5 p.m.
 Peggy Shipley, flute recital, 2:30 p.m., Music Bldg. Recital Hall.
 CSA film, *The Caine Mutiny*, 7 and 9 p.m., Room 10 Sparks.
 Kern Theatre, "Story Theatre," 8 p.m., Room 112 Kern; dessert reception following performance, Room 102 Kern.

Monday, Oct. 13

Last date for Nov. graduates to submit camera-ready thesis manuscripts to Thesis Office.
 African Studies Symposium, "South Africa in Southern Africa," 9 a.m.-4 p.m., HUB North Lounge.
 Alard String Quartet, recital, 12:45 p.m., Room 112 Kern.
 University Scholars Convocation, 4:15 p.m., Schwab Auditorium. Ernest Boyer, president, Carnegie Foundation for Advancement of Teaching, speaker.
 France-Cinema, Robert, *The Tall Blond Man*, 7 and 9 p.m., Room 112 Kern.
 HUB Craft Center, Open House, 7:30-9:30 p.m., Room 312 HUB.
 African Studies Symposium, 8 p.m., Room 105 Forum. Richard M. Moose, Asst. Sec. of State for African Affairs, on "The Carrier Administration in Southern Africa."
 Colloquy Lecture, 8 p.m., Schwab Auditorium. Frank Vogel, economist for *The Times of London*, speaker.

Raymond Brown, bass baritone, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, Oct. 14

Shaver's Creek Nature Center, guided trip to Hawk Mountain Sanctuary, 6 a.m.-8 p.m., front of Rec. Hall. Pre-registration, 865-1851, 8 a.m.-5 p.m., weekdays.
 African Studies Symposium, "South Africa in Southern Africa," 9 a.m.-4 p.m., HUB North Lounge.
 Gallery Talk, 10:30 a.m., Museum of Art. Carl Dauterman, curator emeritus, The Metropolitan Museum of Art, on "The Rebellious Rococo."
 Comp. Lit. Luncheon, 12:15; talk, 1 p.m., Room 204 HUB. Philip Radcliffe, Univ. of Manchester, drama critic, on "Drama and Its Public Image."
 Comp. Lit. Film Series, *Death of a Bureaucrat*, 7 and 9 p.m., Room 112 Kern.
 Sports: soccer vs. East Stroudsburg, 7:15 p.m.
 Artists Series film, Bolshoi Ballet, *The Little Humpbacked Horse*, 8 p.m., Eisenhower Auditorium.
 IAHS/Dept. of History panel discussion, 8 p.m., Room 102 Forum. Eugene J. McCarthy, former U.S. Senator and presidential candidate, Frank Freidel, Charles Warren professor of American history, Harvard Univ.; Robert K. Murray, American history; and Eugene Goodwin, journalism, moderator, on "The Modern Presidency: Past Experiences, Future Prospects."

Wednesday, Oct. 15

Eugene McCarthy discusses political campaigns and the '60s for classes, 11-10 a.m., Room 105 Ferguson, and 2:30 p.m., HUB Assembly Hall. Public welcome.
 Alard String Quartet recital, 12:45 p.m., Room 112 Kern.
 FSHA 410, Scandinavian meal, 6 p.m., Maple Room. Henderson. Reservations 865-1736, 8 a.m.-5 p.m., weekdays.
 Black Film Series, *Superfly*, 7:30 p.m., Robeson Center.
 IAHS/Graduate School/History Dept. Lecture, 8 p.m., Room 112 Kern. Frank Freidel, Harvard Univ., on "The Modern Presidency: The Legacy of FDR."
 Eugene McCarthy reads his poetry, 8:30 p.m., Room 111 Forum.
 Steven Smith, piano, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, Oct. 16

Kern/WPSX-TV, *Cosmos series*, "Harmony of the Worlds," noon, Kern Lobby.
 FSHA 410, 20th Century Japanese meal, 6 p.m., Maple Room. Henderson. Reservations, 865-1736, 8 a.m.-5 p.m., weekdays.
 Cinematheque, *The Last Picture Show*, 7 and 9 p.m., HUB Assembly Hall.
 Colloquy/Homcoming Committee Lecture, 8 p.m., Eisenhower Auditorium. Jerry Rubin 1960s activist, speaker.

Friday, Oct. 17

Sports: j.v. football vs. Nassau Community College, 2 p.m.; soccer vs. William and Mary, 7:15 p.m.
 Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. John Pickles, geography, on "Race and Society in South Africa."
 Homcoming Activities, 5:45 p.m., College Ave. to Rec. Hall; Candlelight Ceremony, 7 p.m., Old Main Steps. Jay Feldstein, Alumni Assn. president, speaker, and the Penn State Glee Club; bonfire and Pop Rally, 9-11 p.m., south end of stadium; vigil at Nittany Lion statue, midnight-7 a.m.
 Commonsplace Theatre, *Once Upon a Time in the West*, 6 and 9 p.m., Room 112 Kern.
 SFO film, *MacKenna's Gold*, 6:30 and 9 p.m., HUB Assembly Hall.
 CSA films, *The Time Machine*, 7 p.m.; *War of the Worlds*, 9 p.m., Room 10 Sparks.

Saturday, Oct. 18

Sports: tennis (women) vs. Pennsylvania, 1 p.m.; football vs. Syracuse (Homcoming), 1:30 p.m., preceded by balloon launch, 1:15 p.m.
 France-Cinema, *Wenturmaler, All Screwed Up*, 7 and 9 p.m., Room 112 Kern.
 CSA films, *The Time Machine*, 7 p.m.; *War of the Worlds*, 9 p.m., Room 10 Sparks.
 Penn State Glee Club and Women's Chorus, Homcoming Concert, 7:30 p.m., Schwab Auditorium.

Sunday, Oct. 19

Homcoming Alumni Branch, 11 a.m., Nittany Lion Inn.
 Homcoming Mass, 11 a.m., Eisenhower Auditorium.
 Sports: lacrosse (men), Alumni Game, 11 a.m.; soccer vs. Notre Dame, 7:15 p.m.



Photo by Scott Johnson

University Chapel Service, 11 a.m., Music Bldg. Recital Hall. Vladimir De Lissoyov, child development and family relations, speaker.
 Shaver's Creek Nature Center, Fifth Annual Pioneer Crafts Festival, noon-6 p.m., Stone Valley.
 Commonsplace Theatre, *Once Upon a Time in the West*, 6 and 9 p.m., Room 112 Kern.
 CSA films, *The Time Machine*, 7 p.m.; *War of the Worlds*, 9 p.m., Room 10 Sparks.
 Homcoming Awards Ceremony, 7:30 p.m., HUB Assembly Hall.
 Artists Series, *The Elephant Man*, 8:30 p.m., Eisenhower Auditorium.

Seminars

Thursday, Oct. 9

Ceramic Science, E. Case, National Bureau of Standards, on "Grain Size of Microcrack Initiation in Ceramics," 11 a.m., Room 301 Steidle (new listing).
 Engineering Science and Mechanics, David L. Questad, mechanics and materials science, Rutgers Univ., on "High Pressure Studies of an Elastomer," 2:30 p.m., Room 242 Hammond (new listing).
 Aesthetics, Criticism and Interpretation Theory, Carl Hausman, philosophy, on "Relations of Aesthetics to Criticism and Interpretation Theory," 4 p.m., Gilpin Room, Nittany Lion Inn (new listing).

Friday, Oct. 10

Analytical Chemistry, Erik Whalen-Pederson, grad student, on "Structure Activity Studies of Polycyclic Aromatic Hydrocarbons," 11:10 a.m., Room 333 Whitmore.
 Physical Chemistry, Eduardo Lissi, Univ. Tecnica del Estado, Santiago, on "Photopolymerization by Carbonyl Compounds," 2:30 p.m., Room 333 Whitmore.
 Computational Fluid Dynamics, T. Booth, Air Research Manufacturing Co., Ariz., on "Computation of Three Dimensional Flows in Turbomachinery," 4 p.m., Room 214 Hammond.

Monday, Oct. 13

Plant Pathology, Ellen Lawrence, grad. student, on "Budgeting: What to Do with Money After You Get It," 3:55 p.m., Room 213 Buckhout.
 McSB, Robert Kretsinger, Univ. of Va., Charlottesville, on "Roles of Calcium in Biology," 4 p.m., Room 101 Althouse.

Tuesday, Oct. 14

McSB, Robert Kretsinger, Univ. of Va., Charlottesville, on "Structure and Evolution of Calcium Modulated Proteins," 11 a.m., Room 101 Althouse.
 Wittgenstein's Vienna, Juris Dragnus, psychology, on "Freud and Vienna—The Mutual Influences," 3:30 p.m., Room 319 Walker.

Physics, S. K. Sinha, Argonne National Lab., on "Studies on Melting in Two Dimensions," 3:50 p.m., Room 117 Davey.
 Organic/Inorganic Chemistry, R. Rudolph, Univ. of Michigan, on "Cluster Chemistry," 8 p.m., Room 333 Whitmore.

Wednesday, Oct. 15

Keller Conference Center, "Electron Microscopy and X-Ray Application to Environmental and Occupational Health Analysis," 9 a.m., Room 112 Kern, through Oct. 17. Information, 865-9173.

Thursday, Oct. 16

Ceramic Science, J. Fenstermacher, Brockway Glass Co., on "Color of Commercial Container Glasses and Cathedral Ferric Iron," 11 a.m., Room 301 Steidle.
 Air Pollution Control, Richard A. Anthes, meteorology, on "The Role of Meteorological Models in Air Pollution Problems," 2:20 p.m., Room 69 Willard.
 CSPD graduate program, Robert and Margaret Kennon, on "The National Health Service in England: An Assessment by English General Practitioners," 3:30 p.m., Room 5-127 Henderson.
 Anthropology, Dennis Werner, anthropology, on "Leadership Inheritance in a Native South American Society," 3:30 p.m., Room 107 Carpenter.
 Acoustics, Fan Hwang, Naval Ship Research and Development Center, Carderock, Md., on "Finite Element Analysis of Structure Response to Random Pressure Fields," 4 p.m., Room 73 Willard.
 Fuel Science, R.L. Taylor, grad. student, on "The Carbon-Oxygen Reaction—Attempts to Measure Active Sites," 4 p.m., Room 301 Steidle.

Friday, Oct. 17

Analytical Chemistry, Richard Gibbs on "Determination of Surface Structure by Angle-Resolved SIMS," 11:10 a.m., Room 333 Whitmore.
 UDIS, "Developing the Lecture," 1 p.m., Room 128 Mitchell Bldg.
 Geosciences, Robert A. Berner, geology and geophysics, Yale Univ., on "A Kinetic Model for Bacterial Sulfate Reduction in Marine Sediments," 2:20 p.m., Room 112 Walker.
 Physical Chemistry, Joe Michael, NASA, Greenbelt, Md., on "Radical Reactions of Importance in Atmospheric Chemistry," 2:30 p.m., Room 333 Whitmore.

Exhibits

Chambers Gallery: Bonnie Deutsch, jewelry, and Maria Das Gracas Moreira Ramon, oil paintings.
 HUB Gallery: Homcoming Exhibit, Oct. 13-19.

Kern Gallery: Colloquy photography; Jean Giddings, weavings, through Oct. 15; Jeff Mathison, drawings; Ann Hettmansperger and Cora E. Lucas, ceramics and poetry, opens Oct. 17.

Museum of Art: Sidney Goodman, paintings, drawings and graphics, 1959-1979, through Oct. 12; European paintings from the permanent collection, opens Oct. 12; contemporary prints from the permanent collection, opens Oct. 18.

Pattee Library: Founding a University: The Pennsylvania State University's 125th Anniversary, East Corridor Gallery, Lindsay Lape, recent paintings, through Oct. 15. Lending Series Lobby, Tom Faella, ceramics, Main Lobby, Denise Levortov exhibit, through Oct. 11. Rare Books Room.

Paul Robeson Cultural Center: "The Frederick Douglass Years."

Visual Arts Bldg. Zoller Gallery: School of Visual Arts Faculty Exhibit, through Oct. 18.

(Continued from page 2)

on "Pre-Colonial Fur Trade in the Northeastern U.S.," to receive his doctorate from the University of Pennsylvania in 1958. He believes he is the only faculty member in the Penn State system to offer a course on the history of Canada.

During his tenure at Penn State he has had two sabbaticals. The first took him to England, where he visited every county office to study records of pre-revolutionary economic ties to the colonies, and to Germany where he taught American Air Force dependents for the University of Maryland. His second sabbatical, three years ago, entailed a visiting professorship at the University of Adelaide in Australia.

Retirements

Dr. Alan M. Jacobs, professor of nuclear engineering, retired Aug. 31 with emeritus rank after 24 years of service. He is now chairman of the Department of Nuclear Engineering Sciences at the University of Florida in Gainesville.

A graduate of Cornell University in engineering physics, he received his M.S. and Ph.D. in physics at Penn State and joined the staff as a research associate at the Breazeale Nuclear Reactor in 1956. In 1959 he became a research associate in the Department of Nuclear Engineering. Promotion to associate professor and professor followed in 1963 and 1968, respectively.

Among his many research interests are the analytical and experimental study of neutron diffraction by vibrating crystals and the development of thermal neutron beam enhancement, modulation, containment, and focusing concepts using vibrating crystal diffractors. For this work he holds a U.S. patent with co-inventor, E.S. Kenney. He holds another patent with Dr. Kenney for the development and analysis of a dynamic radiography technique employing the interaction of penetrating photons with a vibration field to obtain three-dimensional images with contrast dictated by mechanical vibration response. The author and co-author of more than 40 technical and scientific articles, he directed 14 doctoral dissertations and 25 master's theses at Penn State.

William H. Haas, a technician at the Institute for Research on Land and Water Resources, retired Oct. 2 after having served the University 33 years.

He started in 1947, working for Housing and Food Services in the Nittany Dorms. After 13 years, he transferred to Purchasing, and two years later began his service at the Institute, having also an affiliation with the Department of Agronomy. For the past 10 years as a lab technician he has been responsible for the sample collection of the irrigation project. The samples he collects include water, soil, and vegetation.

In retirement, Mr. Haas hopes to pursue his three life-long loves—hunting (bow and arrow in particular), wood working in his well-equipped workshop (he enjoys making cabinets, picture frames, and wood vases), and touring the U.S. in his travel trailer.

Mr. Haas's wife, Verda, is a lab technician at Patterson Building. The Haases are parents of five grown children.

For almost 20 years, **Marian Law** was in a good position to keep tabs on Penn State's health—as secretary to the director of the Ritenour Health Center. When she retired Oct. 1, she had spent a total of 33 years at the University.

Her first job was in Liberal Arts where she worked as a clerk-typist for nine months in 1947 before transferring to Old Main. She spent 14 years there in the Controller's Office and moved to the Health Center in 1961.

Now that she's retired, Miss Law will be on Lock Haven a good deal to care for her mother who is ailing; but she hopes to be able to catch up on her crocheting and also

New Black Studies director sees 'potential'

Unlike many newcomers to University Park's academic community, James B. Stewart enjoys the isolation from urban distractions.

"I was involved in too many community activities in South Bend," the new director of the Black Studies Program says. "It tends to be draining. In an environment like this, it's easier to structure your intellectual and service activities."

As proof, he points to the 68-page document he has been able to compile since his arrival last July in State College. The document, now being studied by the University's Black Studies Committee, summarizes his ideas for breathing new life into the program and ranges from course proposals to such detailed recruiting devices as the development of a new brochure describing employment opportunities for Black Studies graduates, along with information about the current activities of alumni from each of the program's options.

Penn State provides three such options: African Studies, Afro-American Studies, and Black Studies, which consists of courses from the first two options. The program is housed in the Office of the Vice President for Undergraduate Studies, and students combine an option with an approved major field of study.

Dr. Stewart, who also holds an appointment as an assistant professor of economics, was recruited from Notre Dame, whose Black Studies program he directed after earning a Ph.D. from that university. He is happy to tick off his reasons for choosing to come to Penn State.

"I was impressed by the organization of the program and its potential for continued growth," he says. "At Notre Dame, Black Studies is housed in Liberal Arts instead of drawing on the resources of the entire university as at Penn State. I was also impressed because African and Afro-American Studies are formally linked here. When they are separated, as they are at many institutions, it can create unnecessary frictions and splinter the energies needed to develop the programs."

Dr. Stewart notes that while most academicians accept without argument the need for African studies, a certain hostility to Afro-American studies still exists.

"Some scholars," he explains, "feel that Afro-American studies were forced on universities as the result of black student protests during the late '60s and that the area has not been treated in the traditional scholarly manner. But tremendous strides have been made during the past decade in establishing the scholarly credentials of the field. One of the things Afro-American studies must do to increase its legitimacy is to focus more of its energies in developing research, and this is one of the directions I'd like to emphasize at Penn State."

In his own research, Dr. Stewart is examining the economic problems of blacks in the United States, as well as in certain African societies. During the past year, he has also begun a study of the historical underpinnings of black studies, looking at the legacy of W.E.B. Du Bois with the assistance of a National Endowment for the Humanities grant.

"The fact that I was able to obtain funding," he says, "indicates to me a growing appreciation in many circles of the potential contribution of black studies to the study of blacks from a holistic view rather than from that of a single discipline. I hope to support this approach at Penn



State by organizing research seminars for graduate students drawn from different departments. But I do feel that it is important first to concentrate on consolidating our undergraduate curriculum—and then to use that as a springboard in developing more extensive graduate offerings."

In furtherance of this belief, Dr. Stewart has assigned a high priority to student recruitment, both among University undergraduates and high school students.

"We will work with Penn State's community centers in Pittsburgh and Philadelphia," he says, "to create the perception that many interesting new things are happening in Black Studies at Penn State."

"The Black Studies Program and the Robeson Cultural Center, for example, are co-sponsoring a weekly Black Film Festival this fall. One of its functions is to stimulate students to explore more thoroughly the themes presented in the films by taking Black Studies courses."

"Next year I plan to develop and teach a new course dealing with the economic problems of blacks in this country. How can we improve the economic environment of the inner city? We'll discuss black capitalism; methods of increasing the access of blacks to goods and services through cooperatives and other non-traditional organizational models, and approaches to housing problems through renovation of deteriorating neighborhoods."

At present, there are about 25 majors in the Black Studies Program, and some 1,500 students enroll annually in the 35-odd courses associated with the three options. All of these courses are based in academic departments. For example, Anthropology offers the Archaeology of Africa and the

Ethnology of Sub-Saharan Africa; Comparative Literature sponsors courses in African Drama and the African Novel; Physical Education, in Contemporary Problems of Teaching Physical Education in the Inner City Schools; and Sociology, in The Urban Community.

One of the biggest obstacles to increasing enrollments, however, is student preoccupation with what Dr. Stewart terms "occupational security," a problem not uncommon to many of today's liberal arts curricula.

"Looking back," Dr. Stewart notes, "I think my generation tended to be more idealistic; we were willing to devote our time and energy to the then-unproved area of black studies. But because so many students now are worried about economic security, black studies programs will have to follow the lead of such disciplines as English and philosophy. Their proponents have devoted much thought to finding ways to convince employers that these majors sharpen students' intellectual abilities and thus make them valuable as employees."

"Our African Studies students can participate in an exchange program which sends them to Africa for a year of study. Afro-American Studies needs corresponding opportunities. One of my proposals is to develop a seminar combining course work with internships in the private and public sectors. This would provide students with practical experiences to offer future employers. Eventually, I'd like to see our African Studies undergraduates have a chance to intern in government agencies, too."

Among the greatest stimuli to Penn State's Black Studies Program, in Dr. Stewart's view, have been a series of conferences hosted by Penn State during the past few years. Topics have included Contemporary Black Women, Migration in Africa, and Minority Journalism. On Oct. 13-14, an international symposium on South Africa in Southern Africa will bring government officials and academicians to University Park to analyze the changing configurations in Southern Africa. (See Page 1.)

Dr. Stewart recalls his own college days at the Rose Hulman Institute of Technology as somewhat sheltered. "There were never more than five black students among the 1,100 undergraduates," he notes, "but I did get involved in events at neighboring Indiana State University in Terra Haute, tutoring students in the local community center and helping edit a black student paper."

A math major, he took a job after graduation with the Cleveland Electrical Illuminating Company and earned a master's degree in economics at night at Cleveland State.

"I began teaching part-time in the evenings," he says, "and found I enjoyed working with students so much that I decided to go back to school for my doctorate and pursue a career in academe."

I know that trying to combine teaching and research with the directorship of the Black Studies Program is going to be demanding, but I won't be doing it alone. Many people are behind me. Penn State is one of the most supportive academic environments that I have encountered; and my previous experience with similar dual responsibilities at Notre Dame will, I hope, help me to avoid situations that will hinder my long-term professional development."

to make time for bowling, music and dancing, which she also enjoys.

Blanche Bruss, a residence hall worker in Housing and Food Services since Sept. 15, 1969, retired Oct. 4.

Leroy Fallinger, a maintenance worker at Capitol since Feb. 5, 1973, retired Sept. 27.

Edward S. Kines, book-store manager at Altoona since May 1, 1967, retired Oct. 1.

Parke J. Nornhold, a group leader-housing at Hershey since Sept. 9, 1974, retired Oct. 1.

Kenneth E. Quick, a residence hall preventive maintenance worker with Housing and Food Services, retired Oct. 1. He had been a member of the staff since Feb. 14, 1967.

Obituaries

William A. Glenn, who retired June 1, 1979, as an assistant professor of

engineering at DuBois, died Sept. 23. Professor Glenn joined the University faculty in 1955 at the McKeesport Campus.

At DuBois, he served as a group leader for the two-year associate degree program in mechanical engineering, and at the Campus's 1979 Honors and Awards Convocation received a community service plaque and a Penn State Chair.

Wallace W. China, a janitorial worker at Capitol since Nov. 22, 1979, died Sept. 30. He was 54.

News in Brief

(Continued from page 1)

and families in developing countries.

The roster is not limited to those individuals who have had experience overseas, but also is open to those who have had experience in domestic areas which are relevant and adaptive to the field of international development. CWID is particularly interested in locating individuals who are interested in extension and rural and community development and those who are concerned about the impact of the development process upon women and families. Such persons may themselves be of either sex. Forms for the roster are available from University Committee for International Programs representatives or Eloise Murray, Room 212 Rackley Building, University Park, PA 16802 (814) 865-5441.

Teamsters Local 8 announces new dues schedule

Officers of Teamsters Local Union No. 8 have informed the University that a new monthly dues schedule became effective on Oct. 1 of this year, as follows:

Technical-Service	Monthly Dues
Grade 1	\$16.00
2	15.00
3	15.00
4	14.00
5	13.00
6	12.00
7 through 12	11.00

These dues amounts will be deducted beginning with the Oct. 31 paycheck for those bargaining unit employees who have dues check-off.

UDIS to repeat seminar on 'Developing the Lecture'

In response to faculty requests, the University Division of Instructional Services (UDIS) will repeat the seminar, "Developing the Lecture," which was presented last month.

The seminar will again be conducted by Francis Dwyer, head of instructional improvement at UDIS, and will be held from 1 to 3:30 p.m. on Friday, Oct. 17, in Room 128 Mitchell Building.

The seminar is designed (1) to acquaint faculty members with current literature and research related to the lecture method, (2) to describe and illustrate some of the kinds of activities and experiences that can be developed in support of the lecture, (3) to identify locations throughout the University where these "developed experiences" may be provided to students, and (4) to illustrate the lecture behaviors of individuals from other institutions.

Specific topics to be covered include: Developing the Lecture, Advantages and Disadvantages of the Lecture, Motivating Learners, Content Management, Formal vs. Informal Lecture Method, and Developing Learning Activities.

The seminar is limited to 35 participants on a first-come basis. Reservations or additional information can be had by calling 863-0668.

Shaver's Creek to sponsor Pioneer Crafts Festival

The Shaver's Creek Nature Center will be holding its Fifth Annual Pioneer Crafts Festival on Sunday, Oct. 19, from noon to 6 p.m. at the Stone Valley Recreation Area's public use area (ML Lodge).

Highlights of this year's festival will include demonstrations of quilting, weaving, spinning, natural dyeing, blacksmithing, soap making and wood working. Antique clothing and machinery will be displayed, as well as many other pioneer-related crafts. A concert of folk music with environmental themes will be offered.

A special activity will be a walk back into time with a live historical presentation on the almost lost art of charcoal making. Bill Metzger, who will conduct this

presentation, is the co-producer of an upcoming documentary film on charcoal production in Pennsylvania.

This festival is different from other crafts festivals," Mr. Metzger says, "because visitors get involved with hands-on experiences in traditional crafts, some of which are no longer practiced."

Cheryl Potter, administrator of the Shaver's Creek Environmental Center, points out that the festival will have a total of 25 exhibitors, 10 more than last year.

Entrance fees will be \$2 for adults and \$1 for children ages 6-12, with children under 6 admitted free. All proceeds benefit the Shaver's Creek Nature Center and its environmental programs.

New microwave link improves WP5X-TV reception

Thanks to a new microwave link with Centre Video, the pictures received by

Centre County cable viewers of Channel 3, WP5X-TV, are now both clearer and less liable to interruption from storms or equipment failure.

The new link was installed by Centre Video last spring to overcome an electrical interference problem with the Channel 3 signal dating back many years.

A dish, located on the roof of Wagner Building, beams Channel 3's broadcast signal directly to Centre Video on Decibel Road across from the Nittany Mall. Cable viewers see a television picture which has actually by-passed the WP5X-TV transmitter located in Clearfield.

Meat sold on Fridays

Meat sales are being held every Friday at 1:30 p.m. during the Fall Term at the University Meat Labs. across the road from the east stands at Beaver Stadium. Beef, pork and lamb cuts are sold.

United Way keeps fund raising costs low

How is your United Way dollar spent?

"Eighty-nine percent of the funds collected are channeled to United Way member agencies," according to Dr. Richard E. Grubb, senior vice president for administration and University Park campaign chairperson. "The 11 percent used by United Way goes to such things as the annual fund-raising drive (9 percent), which costs less and is more cost-efficient than if each agency had to solicit on its own, and year-round operating costs (2 percent)."

In addition, 1 percent of the funds raised are given to United Way of America for the production of support materials and advertising. Another 6/10 percent is sent to United Way of Pennsylvania for similar support to the state level."

Most of the money going to the agencies is used to help Centre County citizens. The Childbirth Education Association, Centre Crest Auxiliary, the Volunteer Action Center, the Community International Hospitality Council, the Transient Fund, Society for Crippled Children and Associated Charities are completely volunteer agencies having no administrative costs.

Operating with less than 10 percent administrative costs are Skills Inc., The Youth Employment Center, Community Nurse, Red Cross in State College and Bellefonte, Association for Retarded Citizens, Centre County Library,

Strawberry Fields Day Camp, and the Counseling Service.

The most any agency spends on administration is 18.8 percent.

Allocations for each agency are made by a United Way Board, composed of citizen-volunteers. They review the agencies' budgets and the community's needs to determine the year's allocation.

For more information on agency United Way allocations, contact your campus United Way solicitor, or call the Campus Relations Office (University Park) at 865-2501. At all other campuses contact your campus chairperson or local United Way agency.

Thanks to you...
it works...
for ALL OF US



University faculty, staff conduct Harrisburg workshops

With a federal Title I grant, University faculty and staff members conducted a series of seminars and workshops last summer for members of Governor Richard Thornburgh's staff and other Pennsylvania state government employees.

Most of the one-day workshops were held at Penn State's Capitol Campus in Middletown.

Dr. Bonnie Johnson, coordinator for program development in Continuing Education in the College of the Liberal Arts, obtained the grant and was coordinator for the program.

A number of Penn State faculty members, in addition to specialists from other universities and institutions, taught in the programs, which continued through September.

According to Dr. Johnson, some of the

workshops were designed for cabinet-level officials. Some were aimed at senior aides and legislative staff members, and others at department managers at various levels.

Two types of programs were included in the series — policy seminars aimed at providing insights into policy issues and workshops to provide instruction in specific skills. The former category included such topics as "Policy Issues in Union Management Relations"; the latter, such topics as "Performance Appraisal in Interviewing" and "Managing Conflicts Productively."

This is the second year that Dr. Johnson obtained funding for such a program. This year's topics were based in part on feedback from a similar series of programs she coordinated for state government employees last year.

Guide to assist teaching of physically handicapped ready

"Physically Handicapped Students at Penn State," a guide to assist faculty members in teaching handicapped students in the regular classroom, is being distributed throughout the University.

Its purpose is to provide basic information on classroom accommodations for some physical disabilities and suggestions for instructors to help in making teaching adjustments, when necessary, to give handicapped students a full educational opportunity.

Faculty members who may have been missed in the distribution of the guide can obtain a copy from the Office of Services for Handicapped Students, Student Assistance Center, Room 138 Boucke Building, or from the deans of student affairs at the Commonwealth Campuses.

Further information may be obtained by calling Brenda Hamelster, coordinator of services for handicapped students. Her telephone number is 863-2020.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 878-1387). Applications for these staff vacancies will be accepted until 5 p.m., Oct. 16, 1980. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

SUPERVISOR OF STOREROOM OPERATIONS, OFFICE OF PHYSICAL PLANT — Responsible for establishing, implementing, maintaining, and evaluating procedures and methods for the procurement, inventory, and distribution of building and maintenance materials and tools used by Office of Physical Plant. Supervises the operation of the storeroom. Bachelor's degree in business administration, logistics, industrial engineering or related field or equivalent, plus three to four years of effective experience in materials and inventory management.

ACCOUNTANT GENERAL FOR HOUSING AND FOOD SERVICES, OFFICE OF HOUSING AND FOOD SERVICE OPERATIONS — Under general direction of the Manager of Business Services, administers and coordinates accounting functions involved in inventory and expense controls, reconciles computer runs, prepares and supervises preparation of reports, reviews general accounting practices and procedures and recommends changes. Bachelor's degree or equivalent in accounting, with one to two years of effective experience required. Knowledge of computer operations desirable.

COORDINATOR — INSPECTOR OF OFFICE OF PHYSICAL PLANT — Responsible for coordination and inspection of funded jobs and projects. Provides information flow and coordinates work activities between the Office of Physical Plant and customers within the University. Checks work sequence of trades, availability of special equipment or personnel, schedule compliance, job costs, and quality of workmanship. Requires a high school education plus two to four years of effective experience in building construction, building maintenance or administration. Some specialized training beyond high school is preferred.

BUSINESS MANAGER, DELAWARE COUNTY CAMPUS — Responsible to the Campus Director for the control and supervision of business operations of the Campus. Includes maintenance and operation of buildings and grounds; coordination of personnel matters and programs, and physical plant activities; operation of auxiliary enterprises, parking program, security, Campus office and postal services. Bachelor's degree in business administration, organized study or training, plus four to five years of effective experience in buildings and grounds maintenance, Purchasing, personnel, etc., with a supervisory background.

There are positions in certain work units that, because of the large number of such positions, frequently are still available after employees in the work unit have been considered. They are listed below and will not be listed on an individual vacancy basis. Application for such positions may be made at any time, and you're welcome to make your interests known to the Employment Division for future consideration when such vacancies occur. These positions are:

POSITION TITLE	LOCATION
Assistant Coordinators	Student Affairs
Assistant Food Supervisors	Housing and Food Service
Computer Operators	Intercollege
Shifts are: 8 a.m. to 4:30 p.m. 4:30 p.m. to 1 a.m. 12 midnight to 8 a.m.	Research Programs
Programmers	Management Services
Residence Hall Area Coordinators	Student Affairs
Cataloging Technicians	Hershey
Clinical Laboratory Assistants	Hershey
Clinical Laboratory Technologists (HEW)	Hershey
Critical Care Monitoring Technicians (Jr. & Sr. Levels)	Hershey
Cyto-Technologists	Hershey
Licensed Practical Nurses	Hershey
Medical Technologists	Hershey
(Jr. & Sr. Levels)	Hershey
Nuclear Medical Technicians	Hershey
Perfusionists	Hershey
Pharmacists	Hershey
Physical Therapists	Hershey
Physician's Assistants	Hershey
Psychiatric Assistants	Hershey
Radiology Technicians	Hershey
Research Technicians (Jr. & Sr. Levels)	Hershey
Respiratory Therapy Technicians	Hershey
Staff Nurses	Hershey

Penn State Intercom



Dean Beattie sets June retirement

Dr. James M. Beattie, dean of the College of Agriculture since 1973, will retire June 30, 1981.

Dean Beattie announced that he has decided to accept early retirement in order to pursue personal interests.

President Oswald said that Dean Beattie "has played a very important role in the administration of the University and has brought real leadership to the College of Agriculture. He will be missed tremendously."

"I wish I could convince him to delay his retirement. We will begin, in due time, the necessary steps leading to a search for his successor."

Among the College of Agriculture's achievements since Dr. Beattie became dean, said Dr. Oswald, are:

- Recruitment of highly qualified members of the faculty and staff;
- Modification of research activities in the Experiment Station to reflect the changing needs of agriculture in Pennsylvania and throughout the nation;
- Creation of the Food Science Department in 1975;
- Utilization of new technology in the Extension Service to provide relevant information to the agricultural industry throughout the country; and
- Improvement and expansion of Agricultural Progress Days, now held at a single location in Rock Springs.

A nationally known agricultural educator and research administrator, Dean Beattie holds the academic rank of professor of horticulture. He also is director of both the Agriculture Experiment Station and the Cooperative Extension Service.

A native of McClean, Va., Dean Beattie received his B.S. in horticulture from the University of Maryland and a Ph.D. in pomology from Cornell University in 1946.

He joined the Ohio State University faculty in 1948 and was associate director of Ohio State's College of Agriculture and Home Economics and of its Agricultural Research and Development Center when he accepted his present post at Penn State.

Throughout his career, Dean Beattie has stressed the need for a strong scientific underpinning in agricultural research and education. The author of more than 50 research papers and monographs, he is a former president and chairman of the Board of directors of the American Society for Horticultural Science.

He has also evidenced a strong interest in the development of successful agricultural practice in underdeveloped countries.

CWC, Continuing Ed report made

President Oswald led off the October meeting of the University Faculty Senate with the welcome news that the 1980-81 budget crisis in Harrisburg has "apparently" been resolved.

Dr. Oswald noted that after official notification, the University will "move very quickly" to assign departmental allotments and to deal with the problems resulting from that to be a number of appointments have had to be delayed. He also pointed out that University officers were already busy at the task of building the 1981-82 budget.

In an oral informational report to the Senate, Dr. Robert Scannell, vice president and dean, reported on his progress in planning for the integration of the Commonwealth Campuses and Continuing Education.

Noting that he was in the third step of a four-step design process, Dean Scannell explained that he had spent last July and August visiting the 17 Commonwealth Campuses and Behrend College and holding meetings with academic administrators, University vice presidents and Continuing Education personnel. His aim, he explained, was to view the integration from as many different perspectives as possible.

On completion of this first step, which involved more than 75 meetings, Dr. Scannell said, he proceeded to draft a document embodying his thinking on some 22 key concerns and questions. This document has been distributed and is available for perusal by interested individuals in the offices of the academic deans and Campus directors.

Dr. Scannell is currently discussing the document with the individuals with whom he met earlier.

By early November, Dr. Scannell will send a completed draft of "Policies, Procedures and Guidelines" for integration of the systems to the Provost and the President. Dr. Oswald is expected to issue

a final administrative directive in December.

The planned administrative integration which will finally evolve, Dr. Scannell emphasized, is not designed to cause change "but to position the University for change. The policies deliberately limit change to what is necessary to achieve an administrative integration."

In the only legislative action taken at the meeting, the Senate passed a proposal by its Committee on Admissions, Records and Scheduling to delete phrases in the *Academic Policies and Procedures for Undergraduate Students* stating that parents or guardians are to be notified of drop actions, academic warning actions and student withdrawals.

Committee Chairman E. Emory Encore Jr. explained that these modifications were necessary to bring the University into compliance with the Family Rights and Privacy Act of 1974.

Senator Vickie Ziegler, chairman of a Subcommittee on Graduate Teaching Assistants, presented a report to the Senate on the group's findings. This was an informational report; but Dr. Richard McCarl, chairman of the Committee on Undergraduate Instruction, noted that the Committee did expect to present a legislative proposal in this area at the end of Winter Term.

Dr. Ziegler told the Senate that her Subcommittee had identified two major concerns about the use of graduate students as teaching assistants: the quality of their English and a lack of systematic training in pedagogical skills.

One proposal before the Subcommittee would have individual departments, in consultation with their college dean for resident instruction, develop plans for training teaching assistants. This would leave training in the hands of the departments but also provide for a degree of oversight.

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Evan Pugh group named

Seven faculty members have been appointed by President Oswald to serve as members of a selection committee to recommend candidates for Evan Pugh Professorships. As many as six new Evan Pugh Professors will be named.

Current holders of the title on the selection committee are: Dr. Vernon V. Aspatarian, political science; Dr. Eugenio Battisti, art history; Dr. Stephen J. Benkovic, chemistry; Dr. Howard E. Morgan, physiology; and Dr. Philip L. Walker, materials science. Dr. Walker will chair the committee.

Also on the committee are Dr. Herberta Lundegren, professor of physical education, and Dr. Thomas York, professor of aerospace engineering. They were recommended by the Graduate Council.

Evan Pugh Professors are appointed by the President on the recommendation of the selection committee. The present roster, in addition to those named above, includes Dr. Herschel W. Leibowitz, psychology; Dr. Richard R. Nelson, plant pathology; Dr. Hans A. Panofsky, atmospheric sciences; Dr. Fred Rapp, microbiology; and Dr. Philip S. Skell, chemistry.

The criteria established for the appointment of these professors state the selection will be made without regard to college or program affiliation.

The title is granted "only to candidates whose research publications or creative work or both have been of the highest quality over a period of time, and further, to candidates who show evidence of having contributed significantly to the education of students who later achieve recognition for excellence in the candidate's discipline or interdisciplinary area." Candidates must also hold the rank of full professor.

President asks CADs, Council to consider calendar

Editor's note: To keep members of the University community fully informed as discussions progress on a proposed change from a term to a semester calendar, President Oswald has requested publication of the following memorandums, which he sent to the Council of Academic Deans and to the University Council last month.

To Members, Council of Academic Deans

As an immediate follow-up to my letter to members of the Penn State community proposing a conversion to the early semester calendar in the fall of 1984, this memorandum is to specify the academic advice I need from the Council of Academic Deans in conjunction with the calendar conversion.

Several significant academic policy considerations must be addressed by the academic leadership of the University coming from the faculty through the Department Chairmen and the Academic Deans. It will be necessary, I believe, to have department-level consideration of many of the major policy questions. This is especially important because the impact of a particular calendar differs from department to department. I am asking each dean to accept the responsibility for

The University Faculty Senate will hold a forensic session on the proposed calendar conversion at its regularly scheduled meeting on Tuesday, Nov. 11, at 2:10 p.m. in Room 112 Kern Building.

Any member of the University community is welcome to attend and to address the meeting. However, individuals who are not senators and wish to participate in the debate are asked to notify the Executive Secretary of the Senate, Dr. Oscar Barkman, in Birch Cottage, University Park, in writing at least seven days prior to the meeting.

They should include their names, their college or campus affiliations and the topic which they wish to address.

assuring that every department is heard in the process.

While no one person's list of major calendar issues can be all inclusive, several policy questions can be identified at this time. I have already received questions about the faculty instructional load change, if any, in a conversion to a semester calendar. In addition, some faculty members have expressed concern that a calendar conversion may have a negative impact on the research effort of the University. The simple fact that a large

(Continued on page 3)

To Members, University Council

As an immediate follow-up to my letter to members of the Penn State community proposing a conversion to the early semester calendar in the fall of 1984, this memorandum is to state the specific assistance I need from the University Council in conjunction with the calendar conversion. You are aware that the policy of the Board of Trustees makes the University Council a consultative body to me in calendar matters.

The University Council is the single, major group which has representation from the faculty, students, and administration. The broad representation of the Council makes it the best source for recommendations on the impact of a calendar conversion on the broad policy issues which affect the entire University community.

The University Council should be aware that I have directed the Council of Academic Deans to concentrate its attention on the academic questions in the calendar conversion. It is not my intent to attempt to identify all the major issues which occur in a calendar conversion. There are, however, a wide range of questions and directions requiring careful

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Penn Staters



Dr. Elmer Erwin Klaus, professor of chemical engineering, is the first Merrell R. Fenske Faculty Fellow—a position established to honor the late Dr. Fenske, formerly head of the Department of Chemical Engineering. Dr. Fenske, who retired in 1970 as professor emeritus of chemical engineering and died in 1971, was responsible for the establishment and direction of the Petroleum Refining Laboratory. In 1973, the chemical engineering building was renamed in his honor.

Professor Klaus, a 1943 graduate in chemistry of Franklin and Marshall College, received his M.S. and Ph.D. in chemistry from Penn State in 1946 and 1952, respectively.

In 1943 he joined the University as a research assistant in petroleum chemistry. He was promoted to instructor in 1947, to assistant professor in 1952, to associate professor in 1956, and to professor in 1966.

Professor Klaus's research interests include temperature, pressure, and shear effects on the viscosity of liquids; the mechanism of boundary lubrication; radio tracers, activation analysis and thin-layer chromatography in the study of surface chemical effects; super-refining processes for mineral oils (hydrogenation, dewaxing, chromatographic separations); properties of liquids (functional fluids and lubricants) under severe environmental conditions; and metal corrosion studies.

He has published more than 90 papers in professional journals and is co-editor of a book, *Appraisal of World Literature on Boundary Lubrication*.

A Fellow of the American Institute of Chemists and of the American Society of Lubrication Engineers (ASLE), Dr. Klaus has served on ASLE's board of directors and on its editorial review committee. In 1976, he received the ASLE National Award in recognition of his research accomplishments. He is currently a member of the ASLE editorial board for a proposed *Lubrication Handbook* to be published by CRC.

Dr. Klaus also serves on the American Society of Mechanical Engineers (ASME) Research Committee on Lubrication, an advisory body to the Department of Energy, chairing a Sub-committee on Diagnostics.

From 1977 to August of this year, Dr. Klaus was a member of the National Academy of Sciences National Research Council Committee on Recommendations for U.S. Army Basic Scientific Research.

Dorothy V. Harris, professor of physical education, recently returned from Dublin, Ireland, where she presented the opening address at the Council of Europe Conference, "The Greater Involvement of Women in Sport." Her paper was entitled "Women in Sport and Their Participation in Sport."

During the second week in September, William R. Schmalstieg, professor and head of the Department of Slavonic Languages, gave an invited lecture on aspects of hagiography and canonism. Hittite at a conference organized by the Centre International de la Recherche Scientifique in Paris. Following the Paris

conference, he gave an invited lecture on problems of Baltic and Slavic consonantal development at the IVth All-Union Congress on Baltic Linguistics organized by the Latvian Academy of Sciences in Riga, USSR.

"China and Vietnam: End of a Friendship" was the title of a paper presented by William J. Duiker, professor of East Asian history, at an invitational conference on "Vietnam, Indochina and Southeast Asia. Into the 1980s" sponsored by the Institute of Social Studies in the Hague, the Netherlands. Another paper, "The Role of Women in the Vietnamese Revolution," will be presented by Dr. Duiker at the Inter-University Seminar on Women in Combat at the University of Chicago, on Oct. 24.

Frederick M. Williams, associate professor of biology, presented invited lectures in England and Italy during the month of September. He delivered the keynote address, "On Understanding Predator-Prey Interactions," at the 2nd International Microbial Ecology Symposium held Sept. 10 at the University of Warwick in Coventry. "Do We Understand Predation?" his second talk, was given for a seminar at the University of Parma (Italy) Institute of Ecology on Sept. 22.

Dr. Francis McKenna, associate professor of cultural foundations, presented a paper last summer on "Interdisciplinarity and Comparative Education" at the Simon Bolivar University in Venezuela on the occasion of the tenth anniversary of the university's founding. From Sept. 29 to Oct. 3 he was in Garmisch, Germany, where he presented a paper, "Language Policy and Development of Elites in Soviet Central Asia," at the Second World Congress for Soviet and East European Studies.

Joining some 300 writers from around the world, John Balaban, an associate professor of English, participated in the Third International Writers Conference held last month in Sofia. Among the other American poets participating were William Meredith, poetry consultant to the Library of Congress and Denise Levertov, a recent speaker at University Park. In his talk, Professor Balaban addressed the theme of the conference, "The Role of the Writer in Establishing World Peace."



"Twins," a work by Professor Kujundzic in Kyoto show.

Two works by Zeljko Kujundzic, professor of art at the Fayette Campus, have been included in the International Academy of Ceramics Invitational Exhibition of Ceramics in Kyoto, Japan. He is one of only 50 ceramists from the western world chosen to exhibit in the biennial which is opening this month.

Professor Kujundzic will present a paper on his solar firing techniques at the International Conference of the Academy, which is being held concurrently with the opening of the show.

During his stay in Japan, he plans also to visit ceramic studios in Kyoto, Mashiko, and Bizen in order to gain creative experience and learn more about the art and techniques of oriental ceramics.

The following faculty members have been awarded research fellowships for Winter/Spring Terms by the Institute for the Arts and Humanities Studies:

Emily Groszoltz, assistant professor of philosophy, to complete a book on the German philosopher and mathematician, Gottfried Wilhelm von Leibniz;

R. Dorn Hetzel, assistant professor of theatre arts, to make a color film for National Public Television on the mask in art and culture (supporting funds supplemental to an external grant);

Carol Kessler, assistant professor of English at Mont Alto, to do research for a book on utopian writing by American women, 1980-1980.

Melvin C. Seesholtz, assistant professor of English at DuBois, to complete a book manuscript analyzing James Joyce's *Finnegans Wake* from the standpoint of its linguistic structure.

Jill Stoner, instructor of architecture, for creation and preparation of an exhibition in the form of models and drawings, titled "Igittur's House"; and

James Ross Sweeney, associate professor of history, to study the correspondence of Pope Innocent III relative to the Kingdom of Hungary.

Beverly Renford, senior assistant librarian, and Linnea Hendrickson, assistant librarian, are co-authors of *Bibliographic Instruction: A Handbook*.

Published by Neal-Schuman, the book is a practical guide for librarians interested in starting or improving library instruction.

The authors provide step-by-step outlines for developing, conducting and evaluating orientation tours, credit and course-related instruction, skills workbooks, printed and audio-visual materials, computer-assisted instruction and other activities.

Promotions

Faculty

Dr. M. Albert Vannice to professor of chemical engineering.

Staff Non-Exempt

Kathleen J. Ebersole to senior staff nurse at Hershey.

Mark G. Hoskinson to programmer B at Hershey.

Edith J. Imboden to ambulatory desk supervisor at Hershey.

Florence Richardson to bookstore manager at Schuylkill.

Clerical

Beth E. Foust to clerk, accounting A in Controller's Office.

Christine A. Gephardt to technical secretary C in ARL.

Susanne S. Hart to secretary B in Agriculture.

Ellen F. Houser to research data processor B in Engineering.

Cynthia A. Krish to secretary B in Agriculture.

Phyllis G. Payne to secretary B at Delaware County.

Mary A. Perriello to secretary B at New Kensington.

Diane L. Roan to secretary C in Agriculture.

Diane K. Rusnak to accounting clerk in Controller's Office.

Judith A. Toney to secretary A at Delaware County.

Debra K. Weaver to secretary B at Hershey.

Celeste A. Wheeler to secretary B, Continuing Education at Radnor Center.

Technical Service

Anthony Bertoni to maintenance mechanic A at Hershey.

Dawn H. Kauffman to senior photographic technician at Capitol.

Ronald W. Knight to maintenance worker, utility at Delaware County.

Thomas Lattimer to building maintenance worker in Student Affairs.

Darlene J. Lucas to campus bus driver in Business Services.

Sharon A. Vonada to baker-utility in Housing and Food Services.

25-year chairs

When John H. Frank speaks about his "baby," he's not referring to a small pink bundle. Upon joining the Penn State staff in 1955 as a laundry operator in Health, Physical Education and Recreation, he was responsible for the operation and maintenance of new laundry equipment, and he proudly refers to that as his "baby." Today, 25 years later, that same equipment, with the exception of a few new parts, is still humming.

Mr. Frank's dedication to his work is seen not only in his care of the equipment but also in the time he spends on the job; did not take a single day of vacation during his first five years of employment. Until last year, when an illness interrupted his work, he had only taken some three sick days in 25 years. At one time, he had accumulated more than 300 sick days.

In his position, Mr. Frank does all the laundry for Rec Hall, White Building, and the Natatorium. Other responsibilities include driving team buses to practices and assisting the clock operator in Beaver Stadium for home football games.

Mr. Frank resides in Dale Summit with his wife, Jane. The Franks have one son, Gary, who is presently in the Marines and hopes to enter Penn State next year.

Lois E. Summers, office manager in Communication Disorders in Education, created a bit of history when she received her award for 25 years of service. She is the first clerical person in the College of Education to receive a 25-year award. Dean Henry J. Hermanowicz, Dr. Frederick F. Weiner, her present department head, and former employers and fellow workers were on hand to celebrate the occasion.

Mrs. Summers came to the University in 1955 as a clerk-typist in the School of Journalism. As an office manager since 1978, she oversees the work of clerical and work-study employees who assist with scheduling clients for the program.

"I like people," she comments, "and this job affords me the opportunity to deal with all kinds of people—professors, students, administrators, the public—because of our clinical services."

Many of Mrs. Summers' spare hours are occupied with taking care of her husband, William, and their two sons, David and Chris. Mr. Summers is also a Penn State employee and has worked as a teller in the Bursar's Office since 1966. Mrs. Summers enjoys also attending auctions or estate sales, doing volunteer work, hiking and camping.

Retirements

There is an empty space over her sofa that has been waiting for some time for Dr. Ruth Patterson to complete and frame a large crowd canvas (with a floral design on a black background) she started years ago. Now that she has retired from the University as of Oct. 1, Miss Patterson hopes finally to finish this major project. An accomplished needlewoman, she enjoys crowd work more than other forms and has a weak spot for owl designs.

Miss Patterson came to the University in September 1959, working as secretary to the Dean of Engineering. In 1961 she moved to the Alumni Association Office, secretary to the Executive Director. There she remained. She was the "anchorwoman" for the office force because of her store of knowledge about "old alums" and the stories they had to tell.

In addition to completing her deferred needlework, Miss Patterson hopes to start some new projects, visit family members, travel a bit, and generally do all the things she had no time for while working.

A native of Chambersburg, Miss Patterson worked for the Department of Highways before coming to State College.

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University Park Calendar

Oct. 16 — 26

Special Events

Thursday, Oct. 16

Kern/WPSX-TV, *Cosmos* series, "Harmony of the Worlds," noon, Kern Lobby.
FSHA 110, 20th Century Japanese meal, 6 p.m., Maple Room, Henderson. Reservations, 8 a.m.-5 p.m., 865-1736.
Cinemathèque, *The Last Picture Show*, 7 and 9 p.m., HUB Assembly Hall.
Colloquy/Homcoming Committee Lecture, 8 p.m., Eisenhower Auditorium; Jerry Rubin, 1960's activist, speaker.
Alumni Area lecture, 7:30 p.m., Room 273 Willard, Charles Bierbauer, ABC News correspondent, on "The Importance of Foreign Language Study."

Friday, Oct. 17

Sports: j.v. football vs. Nassau Community College, 2 p.m.; soccer vs. William and Mary, 7:15 p.m.
Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker, John Pickles, geography, on "Race and Society in South Africa."
Homcoming Activities: parade, 5:45 p.m., College Ave. to Rec. Hall, Candlelight Ceremony, 7 p.m., Old Main Steps, Jay Feldstein, Alumni Assn. president, speaker, and the Penn State Glee Club: bonfire and pep rally, 9-11 p.m., south end of stadium; vigil at Nittany Lion shrine, midnight-7 a.m., Commonsplace Theatre, *Once Upon a Time in the West*, 6 and 9 p.m., Room 112 Kern.
SFO film, *VacKenne's Gold*, 6:30 and 9 p.m., HUB Assembly Hall.
CSA films, *The Time Machine*, 7 p.m.; *War of the Worlds*, 9 p.m., Room 10 Sparks.

Saturday, Oct. 18

Sports: tennis (women) vs. Pennsylvania, 1 p.m.; football vs. Syracuse (Homcoming), 1:30 p.m., preceded by balloon launch, 1:15 p.m.
France-Cinema, *Wertmuller, All Screwed Up*, 7 and 9 p.m., Room 112 Kern.
CSA films, *The Time Machine*, 7 p.m.; *War of the Worlds*, 9 p.m., Room 10 Sparks.
UGS film, *The Seduction of Joe Tynen*, 7, 9:15 and 11:30 p.m., Room 121 Sparks.
Penn State Glee Club and Women's Chorus, Homcoming Concert, 7:30 p.m., Schwab. Student Foundation for the Performing Arts, "Threater: Weird Tales," 8:30 p.m., HUB Ballroom, Free.

Sunday, Oct. 19

Homcoming Alumni Brunch, 11 a.m., Nittany Lion Inn.
Homcoming Mass, 11 a.m., Eisenhower Auditorium.
Sports: lacrosse (men), Alumni Game, 11 a.m.; soccer vs. Notre Dame, 7:15 p.m.
University Chapel Service, 11 a.m., Music Bldg. Recital Hall. Vladimir De Lissow, child development and family relations, speaker.
Shaver's Creek Nature Center, Fifth Annual Pioneer Crafts Festival, noon-6 p.m., Stone Valley; deadline to sign up for 10,000 Meter Open and Two-Mile Fun Run on Oct. 26.
Information, 865-1851.
Commonsplace Theatre, *Once Upon a Time in the West*, 6 and 9 p.m., Room 112 Kern.
CSA films, *The Time Machine*, 7 p.m.; *War of the Worlds*, 9 p.m., Room 10 Sparks.
Homcoming Awards Ceremony, 7:30 p.m.,

HUB Assembly Hall.
Artists Series, *The Elephant Man*, 8:30 p.m., Eisenhower Auditorium.

Monday, Oct. 20

Deadline to submit Reserve Reading Lists for Winter Term, Reserve Reading Room, W11 Pattee.
Alard String Quartet recital, 12:45 p.m., Room 112 Kern.
France-Cinema, *All Screwed Up*, 7 and 9 p.m., Room 112 Kern.
Color Slide Club meeting, 7:30 p.m., Room 189 MRL.

Tuesday, Oct. 21

Comp. Lit. Luncheon, 12:15; talk, 1 p.m., Room 204 HUB Richard Chait, asst. provost, on "The Humanities at Penn State."
Comp. Lit. Film Series, *Bergman, Shame*, 7 and 9 p.m., Room 112 Kern. Central Pa. Alumni Chapter of Omicron Nu meeting, 7:30 p.m., Room 301 Ag. Admin. Bldg.

Wednesday, Oct. 22

Alard String Quartet recital, 12:45 p.m., Room 112 Kern.
Black Film Series, *Shaft*, 7:30 p.m., Robeson Center.
College of Education, reception for John Hostler, Univ. of Manchester, 7:30 p.m., Fireside Room, Nittany Lion Inn.
History Dept./IAHS Lecture, 8 p.m., Room 112 Kern. Robert K. Murray, history, on "Presidential Greatness: The Ratings Game."

Thursday, Oct. 23

Fixed date for meetings involving Commonsplace Campus faculty.
Kern/WPSX-TV, *Cosmos*, series, "Heaven and Hell," noon, Kern Lobby.
Adult Ed. Brown Bag Luncheon, 12:30 p.m., Room 101 Kern, John Hostler, Univ. of Manchester, on "Adult Education in England."

Institute for Policy Research and Evaluation/Dept. of Economics Lecture, 1:30 p.m., Room 112 Kern. William D. Carey, exec. officer, AAAS, on "National R&D Policy and American Economic Growth."

Human Development East building dedication, 3:20 p.m., main entrance. Reception and building tours follow ceremony.

Cinemathèque, *The Parallax View*, 7 and 9 p.m., HUB Assembly Hall.

French Dept., Compagnie Bernard Uzan, Boston, in Voltaire's *Le 730*, 7:30 p.m., Schwab.

English Colloquium, 8 p.m., Room 101 Kern.
Stanley Fish, Johns Hopkins Univ., on "Short People Got No Reason to Live, or, How to Recognize Irony When You See One."

Friday, Oct. 24

Fixed date for meetings involving Commonsplace Campus faculty.
Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker, Jerry Gamble, agricultural economist, on "The Effect of Nuclear Power Plants on Nearby Property Values."
Commonsplace Theatre, *Lord Jim*, 6:30 and 9 p.m., Room 112 Kern.
CSA film, *All About Eve*, 6:30 and 9 p.m., Room 10 Sparks.
SFO film, *The Producers*, 7 and 9 p.m., HUB Assembly Hall.
Sports: soccer vs. Navy, 7:15 p.m.

University Symphony Orchestra, Douglas Miller, conductor, 8:30 p.m., Eisenhower Auditorium.

Saturday, Oct. 25

Fixed date for meetings involving Commonsplace Campus faculty.
CSA film, *All About Eve*, 6:30 and 9 p.m., Room 10 Sparks.
France-Cinema, *The Seventh Seal*, 7 and 9 p.m., Room 112 Kern.
Artists Series, Goldovsky Opera Theatre, *The Barber of Seville*, 8:30 p.m., Eisenhower Auditorium.

Sunday, Oct. 26

University Chapel Service, 11 a.m., Eisenhower Chapel. The Rev. Robert Boyer, United Ministry, PSU, speaker.
Shaver's Creek Nature Center, 10,000-Meter Open and Two-Mile Run, 2 p.m., Stone Valley.
School of Visual Arts, opening reception for Jackie Battened field exhibit, 3-5 p.m., Zollner Gallery.
Commonplace Theatre, *Lord Jim*, 6:30 and 9 p.m., Room 112 Kern.
CSA film, *The Seventh Seal*, 7 and 9 p.m., Room 10 Sparks.

Seminars

Thursday, Oct. 16

MC3B, James Gernida, grad. student, on "Morphogenesis of *Arthrobaracter globiformis*," 3:55 p.m., Room 25. Free (new listing).
Philosophy of Mathematics, John Myhill, SUNY/Buffalo, on "The Solution of the Logical and Semantical Paradoxes," 4 p.m., Room 203 Willard (new listing).
Computer Science, Dave Wehrly, IBM Glendale Lab., on "The 1341 System Architecture," 4 p.m., Room 325 Whitmore (new listing).
Ecology, Glen Judy, Institute of Northern Forestry, Fairbanks, on "Ecological Reserve Program in Alaska," 4 p.m., Room 8 Mueller (new listing).

Friday, Oct. 17

Analytical Chemistry, Richard Gibbs on "Determination of Surface Structure by Angle-Resolved SIMS," 11:10 a.m., Room 333 Whitmore.
Geosciences, Robert A. Berner, Yale Univ., on "A Kinetic Model for Bacterial Sulfate Reduction in Marine Sediments," 2:20 p.m., Room 112 Walker.
Physical Chemistry, Eduardo Lissi, Univ. Tecnica del Estado, Santiago, on "Photopolymerization by Carbonyl Compounds," 2:30 p.m., Room 333 Whitmore.
Statistics, Howard Rockette, Univ. of Pittsburgh, on "Identification of Carcinogens in the Work Place," 4 p.m., Room 60 Willard.

Monday, Oct. 20

MC3B, Ken Jacobson, Univ. of North Carolina, on "Lateral Mobility of Cell Surface Components," 4 p.m., Room 101 Altohouse.

Tuesday, Oct. 21

MC3B, Ken Jacobson, Univ. of North Carolina, on "The Amplification of Fluorescence Recovery After Photobleaching (FRAP) to Lipid Vesicle-Cell Interactions and to the Cytoplasmic Diffusion of Macromolecules," 11 a.m., Room 101 Altohouse.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Geosciences, E.K. Graham, geosciences, on "Earth's Mantle: Composition, Temperature and Evolution," 3:45 p.m., Room 112 Walker.

Philosophy of Science, Gordon Fleming, physics, on "Pitoe, Popper and Probability," 3:45 p.m., Room 124 Sparks.

Thursday, Oct. 23

Biology, Louise Anderson, Univ. of Illinois/Chicago Circle, on "Light/Dark Modulation of Enzyme Activity in Chloroplasts," 11:10 a.m., Room 117 Borland.

Chemistry, Karl Kadish, Univ. of Houston, on "Redox Tuning of Metalloporphyrin Reactivity," 12:45 p.m., Room 333 Whitmore.

Air Pollution Control, Alfred K. Blackadar, meteorology, on "Modeling the Atmospheric Boundary Layer," 2:20 p.m., Room 69 Willard.

Physics, John Nagle, Carnegie-Mellon Univ., on "Liquid Blayer Phase Transitions," 3:50 p.m., Room 445 DeVry.

MC3B, Lee Ann Campbell, grad. student, on "Mutagenesis and DNA Repair Capacities of *Neisseria gonorrhoeae*," 3:55 p.m., Room 25. Free.

Acoustics, Gary W. Elko, grad. asst., on "The Acoustic Modulation Process in a Reverberant Sound Field," 4 p.m., Room 73 Willard.

Fuel Science, James Ekmann, Pittsburgh Energy Technical Center, on "Combustion of Alternative Liquid Fuels," 4 p.m., Room 301 Steidle.

Friday, Oct. 24

Analytical Chemistry, Paul Longeway, grad student, on "The UV Photolysis of Methylselenic," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Victor Bundybey, Bell Telephone, on "Spectroscopy of Molecular Ions in Gas and Condensed Phases," 2:30 p.m., Room 333 Whitmore.

Exhibits

Chambers Gallery: Bonnie Deutsch, jewelry, and Maria Del Grace Moreira Ramon, oil paintings, both through Oct. 24.

HUB Gallery: Homcoming Exhibit, through Oct. 19.

Kern Gallery: Collegian photography, and Jeff Mathison, drawings, both through Oct. 22. Ann Hettmansperger and Cora E. Lucas, ceramics and poetry, opens Oct. 27; "First of Ten," group exhibit, opens Oct. 26.

Museum of Art: European paintings from the permanent collection; contemporary prints from the permanent collection, opens Oct. 18. The Art of the Needle, opens Oct. 23: 18th to 20th Century American works from the permanent collection, opens Oct. 26.

Pattee Library: Founding a University: The Pennsylvania State University's 125th Anniversary, East Corridor Gallery, Tom Teella, ceramics, through Oct. 20, Main Lobby.

Paul Robeson Cultural Center: The Frederick Douglass Years.

Visual Arts Zoller Gallery: School of Visual Arts Faculty Exhibit, through Oct. 18. Jackie Battened, field exhibit, opens Oct. 26.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made to all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 473-1387). Applications for these staff vacancies will be accepted until 5 p.m. Oct. 23, 1980. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (P5-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

STAFF PILOT, OFFICE OF BUSINESS SERVICES

Staff pilot on University-owned medium airplanes. Minimum qualifications are an Airline Transport Pilot Certificate with experience in Multi-Engine aircraft.

RESEARCH AIDE, COLLEGE OF AGRICULTURE

Perform semi-structured and complex analyses on a variety of samples. Oversee the flow of samples through the laboratory to include proper storage and recording of characterization information and distribution of laboratory analysis. Oversee use and maintenance of analytical glassware and equipment. Assist in various analyses programs. Inventory and report requirements for chemicals, etc., utilized in the laboratory. Perform literature searches. Set up and close down field work projects. Bachelor of science degree, or its equivalent, plus up to one year of effective laboratory experience. Good background in chemistry is desirable.

COORDINATOR, SAFETY, HEALTH AND LABOR EDUCATION PROGRAM, COLLEGE OF THE LIBERAL ARTS

Responsible for program promotion, design, and delivery. Conduct research on occupational health and safety problems in Pennsylvania. Develop instructional materials and evaluate instruments as needed. Work with a staff range of labor organizations at the local, district, state

and national levels in tailoring program objectives to meet specific safety and health needs. Conduct demonstration classes. Master's degree in industrial relations, industrial hygiene or occupational and health, plus one to two years' experience required. Teaching experience in related field and a background of labor education and experience with labor organizations required. This is a Fixed Term I appointment funded from Jan. 1, 1981, to Sept. 30, 1984.

PROGRAMMER, MANAGEMENT ENGINEERING

Apply modern, structured design and programming techniques to design and develop new programs and modify and maintain existing programs. Prepare system documentation and user operation manuals. Bachelor's degree or equivalent in a computer-related field and six to nine months of effective experience in programming.

The University annually receives grants for projects designed to fulfill specific research responsibilities.

Often the research grant or project is of relatively short or temporary duration. In most instances, University project

administrators must react quickly in making selections of support staff personnel for their projects. Therefore, it is desirable to have an available pool of faculty and staff members who are interested in positions.

This announcement is made so that qualified individuals may make their interests known. The types of temporary research support staff positions typically available are: Senior Project Associate, Project Associate, Project Assistant, Senior Research Technologist, Research Technologist and Research Technician.

The types of discipline backgrounds required vary depending on the projects involved. They may include physics, engineering, agriculture, mathematics and chemistry, but are not limited to these.

If you apply, your name will be placed in the pool of candidates who will be considered as such opportunities arise. Call 865-1387 (network 475-1387).

News in Brief

Human Development East building dedication Oct. 23

The Human Development East Building will be dedicated Thursday afternoon, Oct. 23.

A 10-minute ribbon-cutting ceremony will be held at the main entrance at 3:20 p.m., followed by a 30-minute dedication ceremony in the building's Nursing Consultation Center.

The building consolidates facilities of the College of Human Development's Nursing Departments, previously housed in several different areas, and provides space for the Office of Continuing Education/Commonwealth Campuses, the Computation Center, a learning center and laboratories.

President Oswald will speak during the dedication ceremonies, as will Dr. Evan G. Pattishall, Jr., interim dean of the College of Human Development, and Mrs. Anastasia P. Buchanan, director of the Nurse Consultation Traineeship Program in the U.S. Division of Nursing.

Brief comments will be given by Mrs. Sylvia Schraff, executive director of the Home Nursing Agency in Altoona, who is representing Penn State nursing alumnae; and by a representative of the University's Board of Trustees.

A reception in the study center lounge adjacent to the dedication area will be held following the ceremonies, and tours of the building will be conducted at that time.

Martin to chair UCIP

Noelene P. Martin, chief of the Interlibrary Loan Department in the University Libraries, has been elected chairperson of the University Committee on International Programs (UCIP) for the 1980-81 academic year. The Committee includes a representative from each College, and liaison with other campuses is provided by International Coordinators.

The Committee is responsible for coordinating international activities at University Park and the Commonwealth Campuses. The Provost has charged it with seeking ways to implement recommendations included in *A Perspective on the '80s*, with respect to international education. In May 1981, the Committee will be responsible for hosting at University Park the annual Eastern Regional Conference of Fulbright-Hays Scholars.

Persons wishing to learn more about the Committee's activities, or needing advice or other assistance with international programs, should contact either their College's UCIP representative or Mrs. Martin.

Irony to be discussed by Johns Hopkins' scholar

Stanley Fish, professor of English at Johns Hopkins University and a specialist in 17th century studies, will give a public talk at the English Colloquium on Thursday, Oct. 22, at 8 p.m. in Room 101 Kern Building.

His address is part of a two-day residency sponsored by the Department of English and the Institute for the Arts and Humanistic Studies.

In a discussion of irony, Dr. Fish will base his talk — which is titled "Short People Got No Reason to Live. Or, How to Recognize Irony When You See One" — on three texts. They are the first chapter of Wayne Booth's *Rhetoric of Irony*; Jonathan Swift's "Verses on the Death of Dr. Swift"; and the Randy Newman song, "Short People."

Dr. Fish is the author of several books, among them *work on the 16th century poet, John Skelton. Self-Consuming Artifacts*; *Surprised by Sin*; and a forthcoming book from Harvard Press, *Is There a Text in This Class?*



Clinical Sciences addition is shown in outline on sketch.

The Hershey Medical Center celebrated its Hospital's tenth birthday Oct. 14 with a cake cutting — followed by the groundbreaking for the clinical sciences addition for the College of Medicine.

Sharing in the cake were the Hospital's first patient, Mrs. Nancy Nightwine of Hershey, and two ten-year-olds, the first girl and boy born in the Hospital.

The Hospital's Tenth Anniversary

Lecture was presented by James R. Neely, president of the Hospital Association of Pennsylvania, who spoke on "The Issues of Hospitals in the '80s."

President Oswald spoke at the groundbreaking for the nine-story, 58,000 square foot facility. He was joined by Quentin H. Wood, president of the Board of Trustees, and Dr. Harry Prystowsky, Hershey's provost. Also participating were

Edward R. Book, chairman of the Trustees' Medical Center Advisory Committee; Samuel F. Hinkle, former University trustee and chairman of Hershey Foods Co., the man who made the famous \$50 million phone call to Penn State officials leading to the founding of the Medical Center; and Robert Patterson, senior vice president for finance and operations.

Presidential "ratings" are Murray's topic

Dr. Robert K. Murray, professor of American history, will speak on "Presidential Greatness: The Ratings Game" at a lecture sponsored by the Department of History and the Institute for the Arts and Humanistic Studies Wednesday, Oct. 22, at 8 p.m. in Room 112 Kern.

Dr. Murray is the author of several books on American politics, among them, *The Harding Era*; *Warren G. Harding and His Administration*; *The Politics of Normalcy*; and *The 103rd Ballot*.

The lecture is free and open to the public.

Comp. Lit. group to hear talk on humanities

Assistant Provost Richard Chait will present a talk on "The Humanities at Penn State" to the Comparative Literature Luncheon group Tuesday, Oct. 21, at 1 p.m. in Room 204 HUB. Lunch will be available at 12:15 p.m.

Prior to coming to Penn State last January, Dr. Chait was educational chairman of Harvard University's Institute for Educational Management; A Phi Beta Kappa graduate of Rutgers University with a major in history; Dr. Chait earned his M.A. in American history and his Ph.D. in higher education administration at the University of Wisconsin.

The author of numerous articles, Dr. Chait has co-authored a book, *Alternatives to Traditional Tenure Practices*.

Basketball tickets on sale

The Athletic Department has announced that applications for 1980-81 men's basketball season and single-game tickets have been placed in the mail. Season ticket holders from last season have been forwarded invoices for their tickets.

INTERCOM is an internal communications medium published weekly during the Fall, Winter and Spring Terms of the class schedule and bi-weekly during the Summer Term for the faculty and staff of The Pennsylvania State University. USPS 351-170

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Faculty/staff members not receiving a ticket application or invoice for previously held tickets by Wednesday, Oct. 22, should contact the Ticket Office (865-7567).

All tickets will be priced at \$4 this season.

The Nittany Lions are hoping to match last year's success, which saw the team win its most games (18) in 14 years and reach its first post-season tournament (NIT) since 1966.

Team players returning from last year's squad will be joined by an outstanding freshman class, including two first-team all-Pennsylvania selections.

The squad opened practice Oct. 15. The season begins Nov. 22 at Rec Hall against Athletics in Action.

AVS seeks faculty input

Audio Visual Services has obtained the rights to tape off-air for faculty evaluation the *Cosmos* series, 13 weekly, hour-long episodes devoted to science in its broadest human perspective. The series, which began its run on WPSU-TV Sept. 28, was co-authored by Dr. Carl Sagan, distinguished Cornell University astronomer and Pulitzer Prize-winning author, who also serves as host.

Each program will be available following broadcast for a three-week period of evaluation, which may be conducted either at AVS or in the classroom. Faculty will be asked to fill out Audio Visual Services evaluation forms to use to determine whether the series will be acquired by AVS for long-term use. To obtain additional information or to schedule screenings, contact the Reference and Distribution unit of AVS at 865-6316.

New Delaware County number

The Delaware County Campus reminds the members of the University community that it has a new network number — 361-2213.

Dr. Joseph Jay Rubin, a member of the faculty from 1935 until his retirement in 1978 as professor emeritus of American literature, died Friday, Oct. 10. He was 68.
Dr. Rubin earned his B.A. and M.A. degrees from Penn State and his Ph.D. from Yale University. A Whitman scholar, he authored two books, *Walt Whitman of the New York Aurora and The Historic Whitman: A Biography, 1819-1855*.

United Way giving is up

As of Oct. 10, University Park's employees have contributed \$51,860 to the United Way in Centre County, reports Dr. Richard E. Grubb, chairperson for the campus campaign.

"According to the United Way Office's figures, contributions show an increase of \$19,361 over last year from the same group of givers," he notes, adding:

Nearly 48 percent of the employees who turned in pledge cards thus far have made a contribution; previous givers increased their gifts by 19.4 percent: 508 new givers donated \$13,068.

The area reporting the largest donation, and the second largest response — 87 percent of employees — is the College of Earth and Mineral Sciences, chaired by Dean Charles L. Hosler.

Other areas reporting substantial donations include: College of Agriculture, Dr. B.R. Baumgard, chairman; and Research, Dr. Forrest J. Remick, chairman.

The greatest response from employees is the Senior Vice President for Administration's area with 93 percent. Dr. John E. Hargleroad is serving as associate chairperson for this area.

Areas reporting response over 50 percent include: Admissions, Dean Donald G. Dickason, chairman; Continuing Education, Marlowe Froke, chairman; College of Health, Physical Education and Recreation, Dr. Martha Adams, chairperson; Division of Undergraduate Studies, Dr. Harvey E. Wall, chairman; College of Human Development, Dr. Joseph Britton/David Dimmick, chairmen; and Research.

"While we are pleased with this initial report," says Dr. Grubb, "we do want to remind members of the faculty and staff that a significant number of University Park's employees have yet to respond. If we are to meet our goal and responsibility to United Way in Centre County as its largest employer, it's important that contribution cards be returned as soon as possible."

Contribution cards can be returned to area solicitors or chairpersons or sent directly to the Campus Relations Office, Room 301 Old Main.

Kenneth J. Heidrich, a member of the faculty from 1937 to 1950 when he resigned as professor of architecture to open his own firm, died Oct. 10. Mr. Heidrich held a B. Arch. from the Carnegie Institute of Technology and an M.F.A. from Princeton University. He was 73.

(Continued from page 2)

Anne Utermohlen, since 1970 secretary to John D. Vairo, director of the Delaware County Campus, retired Sept. 30 after nearly 17 years of service to the University.

Mrs. Utermohlen first joined Penn State in January 1964 as secretary to Dr. Witt Hutchison, the first director of the former King of Prussia Graduate Center. When Dr. Hutchison retired several years later, Dr. Hal Weber was named director of the Center, and Mrs. Utermohlen became his administrative assistant.

She held that position until Oct. 1, 1970, when she joined the Delaware County Campus.

A native of Freeburg, she has two sons and eight grandchildren.

She and her husband, Al, a production supervisor at Elwyn Industries in Philadelphia, plan to continue their periodic visits to Europe and other parts of the United States.

James G. Wallace Jr., a food preparer in Housing and Food Services since Feb. 16, 1965, retired Sept. 20.

Harry W. Rishel, a janitorial worker in the Office of Physical Plant, retired Oct. 1. He joined the staff on March 4, 1974.

Louis Stanislawski, a painter at Capitol since March 26, 1969, retired Oct. 4.

Charles W. Woods, a housing supervisor at Hershey since April 13, 1970, retired today, Oct. 16.

Walter A. Shustack, a storeroom clerk at Hershey since Oct. 12, 1970, will retire Oct. 18.

Virginia E. Eckert, a tray assembler at Hershey since Oct. 19, 1970, will retire Nov. 1.

Norman E. Manguson, a janitorial worker in the Office of Physical Plant since Nov. 1, 1970, will retire Nov. 1.

Obituaries

Dr. James L. Gobble, an associate professor of animal science when he retired in 1977 after 31 years of service, died Oct. 7. He was 63.

A graduate of Purdue University, Dr. Gobble earned his M.S. at the University of Illinois. He came to Penn State in 1946 and earned his Ph.D. at the University, with a major in animal production, in 1955.

He was in charge of the University's swine facilities from 1946 to 1965 and was largely responsible for planning the Swine Research Center. His own research centered on the effects of various feeding behaviors on swine production.

John J. Jaquish, a country agricultural agent with the College of Agriculture from 1917 to 1956, died Aug. 18. He was 89 years of age.

Deans

(Continued from page 1)

majority of major universities are currently using early semester calendars makes it clear that these issues can be resolved. Careful study of them in the Penn State context, however, is critical.

In addition to the basic issues of instructional load and research, attention needs to be directed to the type of examination period appropriate to a semester calendar. A study of the summer session is in process; the results of that study will become a part of the consideration of the Council of Academic Deans regarding the academic aspects of a new calendar. I am asking the Council to develop appropriate guidelines for calendar conversion modifications to major program and curriculum changes. The class schedule which has been used under the term calendar for many years would not appear appropriate to a semester calendar. This list of illustrative

issues is not to be taken as the complete agenda for discussion by the deans.

When the Council has had time to study the issues and to make recommendations to the Provost and to me, those recommendations will be distributed to the Council of Commonwealth Campus Directors and to the Faculty Advisory Committee for comment and reaction from those groups. Hopefully, the policy question studies will result in a set of guidelines for the detailed planning for actual calendar implementation in the fall of 1984. The guidelines responsive to the major issues should be completed no later than September, 1981.

It will be the further responsibility of the Council of Academic Deans to explore the long, long list of detail questions attendant to a calendar change. A moment of reflection will convince any of us that there are literally hundreds of changes in the academic area which must occur smoothly and in an integrated fashion if the calendar conversion is not to be disruptive. In this area of multiple detail, as in deliberation of major issues, it is vital that each department and each college be fully involved. In essence, the calendar conversion implementation will need a detailed plan for each college.

The Council of Academic Deans should be aware that I am directing the University Council, whose chairman is the University Provost, to consider the major issues of a non-academic nature with regard to the calendar conversion. That assignment to the University Council is consistent with the policy of our Board of Trustees on the consultative role of the University Council in calendar matters.

I have assigned Dr. James R. Dungan of the Office of Planning and Budget as Staff Officer to the Council of Academic Deans and to the University Council as those two bodies carry out the responsibilities I have given them in the calendar conversion. Both Councils are to call on Dr. Dungan for any assistance necessary in the study and implementation of a calendar change.

I am looking to the Chairman of the Council of Academic Deans, the Chairman of the University Council, and the Chairman of the University Faculty Senate to assure jointly that the groups involved in the calendar conversion are closely coordinated. The studies of the Council of Academic Deans on academic matters, those of the University Council on non-academic matters, and the deliberations of the Faculty Senate and its committees must be closely interlinked. Dr. Dungan will also serve as Staff to this coordinating effort.

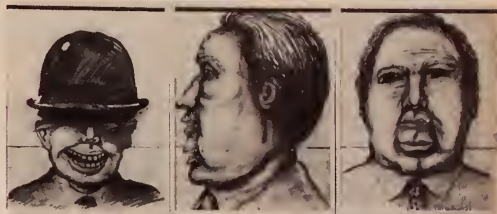
Let me close by emphasizing the importance of these studies in an orderly calendar transition. The proposed target date of 1984 for changing to an early semester calendar provides ample time for careful study and thoughtful decision making. I know that the Council of Academic Deans will be a significant leader in this effort.

University Council

(Continued from page 1)

study. The structure of the residence halls regarding room assignments and similar matters will be quite different in an early semester calendar. The deadlines and procedures governing student financial aid which have worked in a term calendar need careful reconsideration for a semester. The schedule of cultural activities for the University community will be impacted by a new calendar. The athletic program, intercollegiate and intramural, is tailored to a three-term academic year and must be completely reexamined. The procedures of admissions and of class registration will now be on a twice-yearly sequence with volume changes and other differences. Presently, Capitol Campus has a calendar different from the remainder of the University but the reasons for an early calendar may not apply in a different semester system.

It will be necessary for the University



Visitors have until Saturday to see the annual exhibit of works by faculty members in the School of Visual Arts, three of which are shown here. At top, detail from a figure study by John Cook. Center, an untitled print by Lanny Sommes. Bottom, detail of pen and ink drawing, "Hairline," by Stuart Frost.



Council to consult in depth with the principal University officers who have responsibility for the multitude of services outside the direct jurisdiction of the colleges. After the University Council has consulted with the principal officers, studied the issues, and made recommendations to the Provost and to me, those recommendations will be distributed to the Council of Commonwealth Campus Directors and to the Faculty Advisory Committee for comment and reaction from those groups. Hopefully, the policy question studies will result in a set of guidelines for the detailed planning for actual calendar implementation in the fall of 1984. The guidelines responsive to the major issues should be completed no later than September, 1981.

It will be the further responsibility of the University Council to explore the long, long list of detail questions attendant to a calendar change. In the non-academic areas of University services, it is clear that literally hundreds of changes must be considered and planned in a coordinated fashion if the calendar conversion is not to be disruptive. In essence, the calendar conversion implementation will require a detailed plan from each of the non-academic and service units of the University.

(The last three paragraphs of this memorandum repeat information similar to that sent to CADS.)

Employees should see that their files are up-to-date

During the years they spend at the University, some employees acquire new skills or knowledge as the result of taking courses, participating in training programs or through individual study. They may also gain experience in another field through outside activities.

When employees apply for promotion to another job, it is important that this new information be in their files. The Employment Division points out. However, unless employees provide such information about themselves, their files cannot be brought up to date.

The Employment Division urges that all employees periodically consider whether they can add to the information currently in their files. Persons who wish to add to their files should request a supplemental employment data sheet from the Employment Division, Room 117 Willard Building, 865-1387 (Network 475-1387).

Arts Whitman

Homecoming concert Oct. 18

The Penn State Glee Club will be joined by a newly formed group, the Penn State Women's Chorus, for the annual Homecoming Concert at 7:30 p.m. Saturday, Oct. 18, in Schwab Auditorium.

The Glee Club will open the program with selections by J.S. Bach, Claudio Monteverdi, Vincent Persichetti and Randall Thompson. Several folk songs and spirituals from the Glee Club's repertoire have been chosen also for the concert.

Members of the Penn State Women's Chorus have selected two numbers for their debut — "A Jubilant Song," written by Norman Dello Joio to a text adapted from Walt Whitman, and Gabriel Faure's "Tantum Ergo."

The Hi-Los, a specially selected group from the Glee Club, will make an appearance, performing songs from American presidential campaigns. Then, the Glee Club and the Women's Chorus will join forces to sing Randall Thompson's "Frostiana," a collection of seven poems by Robert Frost set to music.

In keeping with tradition, the Glee Club will close the concert with a selection of Penn State songs.

Bruce Trinkle, associate professor of music, directs both choral groups. Michael Kammerer is assistant director of the Glee Club, and Brenda Harsch assists Mr. Trinkle with the Women's Chorus.

French Department to sponsor production of "Candide"

The annual dramatic production sponsored by the French Department will take place on Thursday, Oct. 23, at 7:30 p.m. in Schwab Auditorium.

This year, the Compagnie Bernard Uzan will present an adaptation of Voltaire's *Candide*. Candide's adventures in a world of hypocrisy, conflict and greed lead him from innocence to maturity. The world of *Candide* is parallel to that of the 20th century.

Tickets will go on sale at the HUB Desk, at Eisenhower Auditorium Box Office and at the French Department Office in Room 316 Burrows today (Oct. 16). The price is \$3.

Senate

(Continued from page 1)

The meeting concluded with a report by Assistant Provost Richard P. Chait on "Recent Legal Developments Affecting Personnel Policies and Procedures."

Noting that judicial activity in higher education is not a new phenomenon, Dr. Chait suggested that the recent increase in court actions was due to several factors, among them increasing regulation of all professions and industries and the vulnerability of higher education because most of it occurs in the public sector. Dr. Chait added:

"... with respect to charges of employment discrimination, the rate and volume of litigation can be expected to increase as more women and minorities appointed since 1972, when Title VII was extended to educational institutions, reach promotion and tenure decisions."

Litigation, Dr. Chait noted, may also increase as the academic labor market weakens.

"Finally," he continued, "I think we must acknowledge that increased judicial activism — especially on matters of employment discrimination — reflects, in part, the presence of inequities."

Tracing several recent cases, Dr. Chait pointed out that "no college or university has yet to suffer cancellation of contracts and debarment as a federal contractor."

"... we should not succumb to the alarmist's view," he said. "The courts and the government are, I think, in search of a middle ground. In that light, no useful purpose can be served by behaviors that suggest we are on the edge of a precipice."

Planning and budgeting process described

Editor's note: The following report by Provost Edward D. Eddy to the Committee on Educational Policy of the Board of Trustees is reprinted to give faculty and staff members a view of the planning and budgeting process.

I am taking a piece of your time and agenda today to give an annual report on the University's Five Year Planning and Budgeting Process. I'll be drawing my material from academic areas not only because this is the Committee on Educational Policy but also because academic expenses represent two-thirds of the general funds budget. This is what we'll be discussing. The same process and results are taking place in the areas of finance and physical operations, and in offices related to external contacts. I shall be talking about the academic colleges, including Behrend, the Capitol Campus, and the Commonwealth Campuses, the Graduate School and Radnor Center, Continuing Education operations, Admissions, the Libraries, Research, Undergraduate Studies, Student Affairs, the University Arts Services, and a sizeable hunk of central administration, including all of the academic administrators.

All of this is an excellent illustration of your three instructions emerging from *A Perspective on the '80s*. In essence, you told us: Maintain high quality; make some intelligent choices; and build in some flexibility in order to be able to respond to changing interests and needs.

The approach of a large majority of universities is to attack retrenchment by cutting across-the-board: Let everyone share, and let everyone slip down at the same pace to the same level. But that is too simplistic. At Penn State we chose, instead, to undertake a planning and budgeting process which requires some difficult, intricate, and sometimes unpopular decisions. We have moved, therefore, from the simple level of recycling reductions to an increasingly sophisticated review and allocation process. We have moved from general questions — What are your aims? — to specific queries: Why not phase out? Why not integrate? Why not regionalize? The burden of proof shifts from the absence of increased funding to the justification for any support.

We have moved also from concern over the budget alone to a far wider and deeper concern over long-term academic planning. It is not easy to look five years ahead but it is essential, especially for the next five years. The result of this united effort is that Penn State is emerging as an apparent national leader in intelligent long-term planning and budgeting. One report after another from other universities describes arbitrary cuts based on an absence of knowledge and foresight and the presence of caprice and uncertainty. It is great to be at the top in a variety of ways, but none is more important than academic planning and budgeting in order to realize academic ambitions.

Three key groups are involved:

1. The informal body called, awkwardly, the Provost's Advisory Committee on Planning and Budget. This is chaired by the Provost and staffed largely by the Office of Planning and Budget with the Provost's Financial Officer. The members include the two Assistant Provosts, the Director of Planning and Budget, the Vice-Presidents for Research and for Undergraduate Studies, three faculty members elected to the Faculty Advisory Committee and one student selected by the Provost after careful review. The group meets regularly throughout the year but concentrates especially during the three winter months on 23 two-hour hearings with deans and vice-presidents. All information except individual salaries is made available to all committee members.

2. The second key group is the President's Budget Task Force which is chaired by the President, with four senior officers, the Director of Planning and Budget, and the Controller. It receives recommendations from the Provost and other senior officers and makes final decisions within the widest possible University context with regard to income as well as expense.

3. The third group, so to speak, is the Office of Planning and Budget itself which prepares all of the background and contextual material. It also conducts studies requested by the first two groups.

The process begins in the spring, extends through the fall months in the departments and divisions, with budget requests and planning statements submitted in early winter, followed by hearings in the winter term, and decisions in the spring term.

We have now concluded the third year of refining. We began with simplistic questions and a uniform approach. In the second year we started to make some genuine differentiations among colleges and other academic units — according to need, enrollment, pressures in terms of research, equipment, employment markets, space, etc., and necessity to maintain the integrity of the University. In the third year we moved toward further modifications and the introduction of new allocation techniques.

A few illustrations of these new allocation techniques include:

1. The Provost's Revolving Fund which permits some flexibility of resources to swing in response to changing need. A commitment of temporary funding can be made for one to three years. This has been done recently for Engineering, Business Administration, Computer Science, and Food Service and Housing because of enrollment shifts. The Provost's Revolving Fund has available \$800,000 on a permanent budget base.
2. The Matching Equipment Fund to encourage fund raising by departments, colleges and institutes. One million dollars has been set aside with hunting licenses issued. Matching sums are guaranteed if the game is caught within an agreed upon period of time, e.g., 24 months.
3. Three areas of special need hit by inflation: Library acquisitions — (over \$1 million this year); major teaching and research equipment — (over \$1 million this year); undergraduate laboratory and specialized equipment — (several hundred thousand dollars this year).
4. Planned expansion of M.B.A. enrollment — (doubled in size over the next 5 years).
5. Doubled allocation to student activities to catch up with no increase over the years of rapid inflation.
6. Matching sums to reduce target reductions in three colleges to encourage difficult decision making. One dean wrote in response to this experimental matching approach: "This method of handling fiscal recycling is one of the most imaginative ways of asking administrators to reduce their budgets that I have encountered. It forces academic focusing when that effort is so clearly necessary. No one likes to cut back, but at least this retrenchment makes academic sense."

Additional problems and possible steps are illustrated by the following:

1. Deans and Vice-Presidents will be asked to prepare a summary of issues, goals and objectives for 1980-81 — a trial step toward performance-based reviews.

2. Salaries have been given highest priority. In addition, special consideration has been given to the impact of competitive markets and to parity over a period of time for location in comparison to salaries in comparable institutions nationally.
3. Problems of student access into heavily enrolled areas have been explored.
4. Dramatically increased lab costs have been of special concern.
5. Exploration has started in areas of duplication and possible consolidation, e.g., nutrition.
6. Several major administrative problems were identified, e.g., excessive requests for "directives" as solutions, thus over-estimating central "power" in order to avoid decisions at the grass roots level.
7. Closer attention was paid to affirmative action needs.
8. The need to link college activities more closely with the Office of Gifts and Endowments was explored. We shall be taking steps to move ahead much more aggressively in private fund raising.
9. The 5-year approach has stimulated interest in planning at the college — and hopefully, the departmental — level. Engineering, Business Administration, The Liberal Arts, and Agriculture, for example, have college level planning groups. The Long Range Planning Study Committee of the College of Engineering has been functioning since the fall of 1979. It was charged with developing recommendations for priorities and directions for the College of Engineering for the period 1980 through 1985. Separate planning documents have been developed by each department in order to increase the level of concern within the college and to improve the quality of the information available to the Planning Committee. The primary recommendation emerging from the effort appears to be that the College of Engineering needs to make a much stronger commitment to increasing its efforts in the area of graduate education and research.
10. All these efforts have been a stimulus to wider planning projects. Among them are the prospective integration of Continuing Education and Commonwealth Campuses, calendar change, summer term operations, early retirement options, the freshman experience, and innovation in curricular approaches to fields in heavy demand.

In conclusion then, I think we end up, after three years, with greater administrative satisfaction that we really are on top of planning for the first time and that we are coming closer to the most intelligent use of funds in view of needs. We are pulling planning together with the allocation of funds and not making them two different approaches which have no relationship to each other. We are using a low key, nonpolitical approach which avoids the tendency toward rewards for favoritism, and is based more on solid information and solid study. Perhaps most importantly, we have a high degree of faculty and student participation. We have gained many new insights and perspectives from the participation of faculty members and students in this process and from the genuine sense of community which evolved out of this.

Eric Cronin has written that "the test of what you produce is the care it inspires." The 1980-81 budget results from this year's husbanding of funds. It should be superior in quality as a budget because truly it has inspired care of a high order. And that is just good planning and good budgeting.

Penn State Intercom

Behrend gets \$250,000 NSF grant

The Behrend College has been awarded a \$250,000 grant by the National Science Foundation to develop pioneering baccalaureate degree programs in energy, the environment and their interface.

The innovative four-year programs, to be completed at Behrend, will lead to the degrees of Bachelor of Science in Energy Science and Engineering, Bachelor of Science in Environmental Science and Engineering, or Bachelor of Energy and Environmental Design.

Dr. John Lilley, dean of Behrend, sees the program as an opportunity for Penn State to serve energy conscious northwest Pennsylvania in a most critical area of need. Calling upon the Erie community and industry to support Behrend faculty members in developing curricula.

Dr. Lilley said he expects the programs to attract students from many areas of the Commonwealth.

The proposal was developed by faculty members in Behrend's Division of Natural Sciences and Engineering, headed by Dr. H. Eugene Shull, associate professor.

According to Dr. Shull, the programs to be developed are probably the first of their kind in the country. He points out that the funding by NSF through its program of Comprehensive Assistance to Undergraduate Science Education (CAUSE) is recognition of a unique and timely response to a national need.

Alumnus shares Nobel chemistry prize

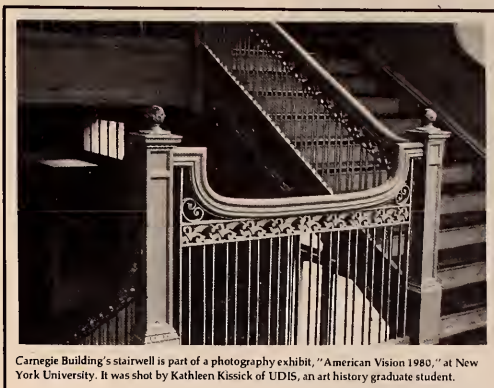
Editor's note: Dr. Paul Berg '48 is the first University alumnus ever to win a Nobel Prize — he was selected to share half of the 1980 prize in chemistry. Last year, Dr. Stephen J. Benkovic, Evan Pugh professor of chemistry, spent his sabbatical in the Department of Biochemistry at the Stanford University Medical School, where Dr. Berg is a professor.

INTERCOM asked Dr. Benkovic to explain the significance of Dr. Berg's research and to describe his laboratory. The following is an edited version of Dr. Benkovic's remarks.

Paul Berg's research has been primarily responsible for the development of genetic engineering or gene manipulation. He was able to take a segment of DNA and insert it into a specific virus which then was used to infect bacteria. He then showed that the protein product of that DNA now occurred in the bacteria, indicating that the transplanted gene was being replicated.

What he is really interested in understanding now is the mechanism for DNA transcription; in other words, what controls how a gene is transcribed in the mammalian cell?

As a starting point, he has to determine the initiation signals for the transcription process; his earlier experiments revealed that one can just put a segment of DNA at random into a virus gene. You have to insert it into a certain position, since there are specific viral DNA sequences that must remain intact and be in the proper location relative to the DNA insert in order for the host to replicate it. By altering



Carnegie Building's stairwell is part of a photography exhibit, "American Vision 1980," at New York University. It was shot by Kathleen Kissick of UDIS, an art history graduate student.

"There is little doubt that our way of life will be altered by energy shortages in the near future," Dr. Shull says. "The issues, are clouded by emotions, expectations of the power of technology, and polarization between advocates of the environment and competing energy options."

Objectives of the program will be to produce graduates in command of the fundamentals of natural science and mathematics, with balanced perspectives on the competing energy-environmental options. Graduates would be prepared for careers in science, technology and engineering; manufacturing, development,

research and management serving many industries; and public service.

One of the first objectives of the project, a workshop on the Energy-Environment Interface, has already been completed. The three-day program, held at Behrend late last spring, attracted participants from across the country representing energy industries, public utilities, professional societies, government, manufacturing industries, communications media and educational institutions.

Emphasis was placed on the great importance of communication among all

(Continued on page 6)

Some budget restrictions are relaxed

The University has relaxed some of the budget restrictions put into effect during the period of uncertainty caused by a shortfall in the Commonwealth's 1980-81 projected revenue.

President Oswald said in a memo to administrators that a delay in filling open positions — in effect since July 17 — has been lifted.

Dr. Oswald also released one-half of a budgetary savings reserve that had been assigned to each administrative unit within the University and lifted a freeze on departmental allotments for fuel, utilities and new facilities. These allotments had been included in the operating budget approved by Penn State Trustees in May, but were withheld during the appropriations impasse.

"As you are aware, Governor Thornburgh has signed the bills necessary to provide full funding for Penn State," Dr. Oswald said. "While there is still a legal matter to be resolved, the appropriation picture has brightened. As a result, we are proceeding to return to a more normal mode of operations."

Dr. Oswald said the remaining half of the budgetary savings reserve for administrative areas would remain in effect pending possible resolution of certain legal questions related to the appropriation. "I hope to be in a position

(Continued on page 6)



Dr. Berg, on his 1976 visit as an Alumni Fellow in the College of Science, received medalion from President Oswald. Dr. Berg's B.S. is in agricultural and biological chemistry.

where he is ligating this DNA segment into the virus, followed by assay for the gene product, he will be able to define the DNA sequences in the virus necessary for replication.

In the long term, that information may reveal to us how cells become cancerous, how they replicate without control. The discovery of how cells replicate may be the most important finding to come out of this research.

Paul Berg himself is characterized by

enthusiasm — about almost any topic in science. He's willing to listen to what a colleague is doing and ask questions about it; he's not narrowly focused. He's also a very good lecturer, and has excellent rapport with his students.

His research group meets once a week to have breakfast together and talk about their experiments or reports in the literature. As a research preceptor, he respects his students, and encourages their

(Continued on page 6)

Libraries accept RLG membership

The University Libraries have accepted an invitation to become a member of the Research Libraries Group, Inc. (RLG).

"RLG is a consortium owned by the major research universities and institutions comprising its membership," Penn State Libraries Dean Stuart Forth explains. "It was established in 1974 in recognition of the fact that no single library today can afford to purchase all the materials it would need to form a completely independent, comprehensive collection."

Although Penn State's 2.1 million volume collection is relatively small compared to the holdings of many RLG members, RLG, according to Dean Forth, was eager to tap the libraries' acknowledged expertise in the computerization of internal library operations, a field Penn State has pioneered. The University also has important special collections in such diverse areas as Surrealism, Australiana, Pennsylvania history, coal research, mycology and Utopian literature.

The automated system adopted by RLG was developed at Stanford University and is called BALLOTS (Bibliographic Automation of Large Library Operations using a Time-sharing System). Stanford, in addition to being a member of RLG, serves as host institution for the group's central staff and computer facility.

Other member institutions are Columbia University, The New York Public Library, Yale University, University of Michigan, University of Pennsylvania, Princeton University, Dartmouth College.

(Continued on page 6)

Penn Staters



Dr. John C. Johnson, director of the Applied Research Laboratory, has received the special academic title of University Research Professor of Acoustics.

President Oswald granted the new title in recognition of Dr. Johnson's "significant contributions to the science and engineering of acoustics; to the stimulation, development and guidance of acoustic systems and noise reduction at Penn State and your contribution to interdisciplinary research as director of the Applied Research Laboratory."

Further, it is in recognition of your efforts toward development of acoustic offerings in other educational institutions through national committees and as president of the Acoustical Society of America and the Institute of Noise Control Engineering."

Dr. Johnson, who retains his title as ARL director, came to Penn State in 1959. Under his directorship, the ARL has maintained leadership in technological developments for the U.S. Navy through acoustic systems and noise reduction techniques. The laboratory, the largest single interdisciplinary research unit in the University, has successfully integrated its faculty members and research programs with many other University programs.

A 1942 graduate of Culver-Stockton College, Dr. Johnson received his M.A. and Ph.D. degrees in physics from the University of Michigan.

Dr. Johnson has published numerous articles and reports in his research fields, which include ultrasonics, underwater acoustics, emission spectroscopy, noise control, seismology, high-temperature measurement, atmospheric acoustics, architectural acoustics and mass spectroscopy.

Dr. H. L. Barnes, professor of geochemistry and director of the ore deposits research section in Earth and Mineral Sciences, has been selected by the Society of Economic Geologists to serve as one of its two Thayer Lindsley Distinguished Lecturers for the 1980-81 academic year. He will present lectures at Purdue University and the Universities of Indiana and Florida this fall, and speak at several other universities next spring. His topics are "Clues to the Genesis from Modern Geothermal Systems," "Mineral Solubilities and Ore Formation," and "Mississippi Valley-Type Deposits—A Genetic Model."

An article on the future of Consumerism by **Dr. Robert O. Herrmann**, professor of agricultural economics, and **Dr. Rex H. Warland**, professor of rural sociology, has been chosen for inclusion in a packet of consumer education and information materials which will be sent to over 300 U.S. embassies and information offices abroad. The packet is designed to inform foreign consumer leaders and government officials about U.S. consumer programs. The packet was prepared at the request of Esther Peterson, the Special Assistant to the President for Consumer Affairs. The article is based on a paper presented by the authors at the 1980 annual conference of the American Council on Consumer Interests.

Dr. Ernst Schurer, professor and head of German, was an invited speaker at a symposium on "Political Tendencies in the Literature of the Weimar Republic" at the University of Minnesota. His talk explored German drama and theater as they were affected by social and economic conditions in Germany at this time. The symposium is part of a series of events under the title of "Germany in the Twenties: The Artist as Social Critic," sponsored by the National Endowment for the Humanities during the academic year 1980/81.

Dr. Loren D. Tukey, professor of pomology, recently visited the apple industry in Hungary at the invitation of the State Farms. Later, he attended a High Density Planting Symposium of the International Society for Horticultural Science at Lana, Italy, where he presented a paper on growth regulators in intensive orchard plantings, chaired a session, and led a discussion on Modeling Fruit Planting Systems. Dr. Tukey also visited several fruit research stations and the fruit industry in northern Italy, and presented a talk on developments in the U.S. fruit industry to a group from the Italian Advisory Service.

Dr. Philip L. Walker Jr., Evan Pugh professor of materials science, has been selected to serve as the George D. Grafflin Lecturer of the American Carbon Society for 1980. The lectureship, which is sponsored by the Asbury Graphite Mills, Inc., honors one of the pioneers in the natural graphite industry. Dr. Walker will deliver lectures this fall at the University of California at Berkeley, Stanford University, California Institute of Technology, University of Utah, and Massachusetts Institute of Technology. His topics will include "Carbon—A Versatile Catalyst Support" and "The Importance of Active Sites in the Processing and Properties of Carbon and Graphite."

Dr. Theodore L. Gross, provost/dean of the Capitol Campus, delivered an address in the Presidential Lecture Series at the University of South Dakota on Oct. 9. His subject was "Education in the '80s: Preserving the Past, Creating the Future." On Oct. 10, he was the featured speaker at the Founders Day Convocation of York College, discussing the relationship of basic writing to the liberal arts curriculum.

Dr. Carolyn Wood Sherif, professor of psychology, has received the Distinguished Publication Award from the Association for Women in Psychology for 1979-80. The award is given annually to scholarly publications during the past academic year that contribute significantly to psychological theory and research on women. Dr. Sherif was cited for her chapter, "Bias in Psychology," which appeared in *The Prism of Sex: Essays in the Sociology of Knowledge* (J. A. Sherman and E. T. Beck, editors) from the University of Wisconsin Press. Reviewing evidence of bias stemming from cultural and sex-centered assumptions in theory and research, Dr. Sherif's chapter proposes the coordination of social, cultural, and psychological data for a broadened perspective on human experience and action.

Dr. Brent Wilson, professor of art education, has been given the Distinguished Achievement Award for Excellence in Educational Writing by the Educational Press Association of America. The award for "Learned Article" of 1980 was presented for "Children's Story Drawings: Reenvisioning Worlds," published in *School Arts* (Vol. 78, No. 8, April 1979). Dr. Wilson's co-author was Dr. Marjorie Wilson, who holds a doctorate in art education from the University.

Dr. Donald J. Willower, professor of education, has won the first William Davis Memorial Award for the best paper published in the 15th volume of *Educational Administration Quarterly*. His paper was entitled "Ideology and Science in Organization Theory."

Dr. Richard Anthes, professor of meteorology, has been appointed chairman of an ad hoc committee of the National Academy of Sciences set up to review mesoscale meteorological research in the United States.

Dr. I. S. T. Song, associate professor of materials research, presented an invited paper, "Quantitative Aspects of Outer-Shell Excitation in Ion-Surface Collisions," at the Third International Workshop on Inelastic Ion-Surface Collisions held in Feldkirchen-Westerham, Germany. While in Europe, he gave an invited seminar at the University of Essex, England.

Dr. Wendell V. Harris, head of the Department of English, sent the following announcement:

"In memory of our long-time colleague Joe Rubin, who died Oct. 10, the English Department is collecting donations with which to buy appropriate books for the Library. Anyone interested in contributing should send a check to the Joe Rubin Memorial Fund, c/o English Department, Room 117 Burrows Building."

William I. Lindley, assistant professor of agricultural education, recently returned from the University of Cape Coast, Ghana, where he completed the second phase of a UNESCO mission. Dr. Lindley's assignment included work on the revision of the agricultural education curriculum for the preparation of graduate teachers for secondary agriculture programs.

Dr. Christopher Gibbins, research associate in electrical engineering, recently presented a paper, "New Measurements of Upper Atmospheric Water Vapor Using Ground-Based Remote Sensing at 22.235 GHz," at the 5th International Conference on Infrared and Millimeter Waves, held Oct. 6-10 in Wurzberg, Germany.

Dr. Z. T. Bieniawski, professor of mineral engineering, has been appointed director of the Pennsylvania Mining and Mineral Resources Research Institute at the University. The Institute is one of 31 established in as many states and located at universities with outstanding research and graduate programs in the area of mining and mineral resources. All the institutes are supported by the Office of Surface Mining of the U.S. Department of Interior.

Dr. Helen B. Volz, assistant professor of speech pathology, has been named winner of the College of Education's Outstanding Teaching Award for 1980. She was chosen by the College awards committee for her performance as a teacher and adviser, for her work in developing quality instructional processes, and for fostering professional aspirations in her students.

Burt L. Fenner, professor of music, has received an ASCAP Award for music for the fourth consecutive year. These annual awards from the American Society of Composers, Authors and Publishers are intended to "encourage writers of serious music." Professor Fenner, whose main field of interest is electronic music, has composed a number of works for instrumental ensembles.

Dr. John Tilton, professor of mineral economics, was appointed vice chairman of the Board on Mineral and Energy Resources of the Commission on Natural Resources of the National Research Council. In this capacity, he also serves as chairman of the Commission. He is currently serving as chairman of the Committee on Technical Aspects of Critical and Strategic Materials.

Bookshelf

Dr. Vernon Y. Aspaturian, Evan Pugh professor of political science, is an editor of a book entitled *Eurocommunism Between East and West*, to be published Oct. 31 by Indiana University Press.

Dr. Aspaturian is also a contributor to the volume, which deals with the international significance of

Eurocommunism both for the world-wide communist movement and for pluralistic western-style political systems.

Jiri Valenta and David P. Burke are the two other editors.

In addition to Dr. Aspaturian, two other Penn State professors of political science are among the 14 contributors to the book. They are Dr. Pariss H. Chang and Dr. Trond Gilberg.

The *Library Journal* recommends the book, commenting in a review: "Although the essays vary widely in style, approach, and conclusions, they will be of use to policymakers as well as academicians."

Dr. James Carbarino, associate professor of human development, is the author of *Understanding Abusive Families*, written in association with Gwen Gilliam, a science writer for the Boys Town Center for the Study of Youth Development.

The 263-page volume, published by Lexington Books, D.C. Heath & Co., Lexington, Mass., explores the way the dynamics of abuse shift from infancy to childhood to adolescence.

The book attempts to tell the story of abusive families in a way that will humanize and normalize them. It seeks to make abusive families and the things that go on inside them more comprehensible.

Among the many issues examined is one of the few looks at the problem of abuse involving adolescents.

Promotions

Faculty

Dr. Marcia C. Beppler to assistant professor of agricultural extension.

Staff Exempt

Sally J. Conrad to neonatal nurse instructor at Hershey.

Melinda B. DeVries to systems analyst in Management Services.

Monna R. Hoover to manager, data processing services laboratory in Agriculture.

Andrew Mozenter to area coordinator in Student Affairs.

Patricia T. Parson to manager, utilization review at Hershey.

Barry G. Phelps to programmer in Management Services.

Rita J. Schleser to programmer in Management Services.

Staff Non-Exempt

Nancy A. Cunningham to cardiology technician at Hershey.

Cynthia Filingeri to cardiology technician at Hershey.

Eda M. LeVan to cardiology technician at Hershey.

LaDora H. Papich to cardiology technician at Hershey.

Charlene K. Pontoriero to research technician at Hershey.

Clerical

Beverly A. Keen to secretary C in Agriculture.

Melody D. Lane to secretary C in Human Development.

Jeannie B. Leonard to lead clerk, evening shift at Hershey.

Sarah D. Mattis to secretary C in Science.

Paula K. May to secretary C in Agriculture.

Gloria McNeal to secretary A in Arts and Architecture.

Darlene M. Schaffer to clerk, senior radiology records and billing at Hershey.

Technical Service

William A. Burns to audio technician in UDIS.

Clarence Hardaway to maintenance worker utility at Capitol.

George E. Miller to maintenance worker utility at Capitol.

Clyde T. Perkins to plumber A at Capitol.

Kenneth D. Watson to group leader, janitorial worker at Capitol.

Donald L. Wolf to laboratory technician A at Behrend.

News in Brief

Cultural historian will offer two lectures

Alan Gowans, professor of history in art at the University of Victoria, British Columbia, will deliver an illustrated public lecture, "Learning to Look: the Three Traditions of Art History," at 8 p.m., Thursday, Oct. 30, in Room 105 Forum Building.

Dr. Gowans' lecture is sponsored by the Departments of Geography, Architecture, Art History, and Landscape Architecture and the Institute for the Arts and Humanistic Studies.

The combined sponsorship, according to Dr. Peirce F. Lewis, professor of geography, reflects the wide range of Dr. Gowans' research and writings. He has published books on art history (*Church Architecture in New France and Building Canada*), modern painting (*The Restless Art*), popular arts (*The Unchanging Arts*) and the outline of a theory of history in art (*On Parallels in Universal History*).

His *Images of American Living: Four Centuries of Architecture and Furniture as Cultural Expression* won the Alice Hitchcock Prize for the best book of the year on American art history, and is widely recognized as a standard work in the field of American art and cultural history.

Dr. Gowans taught for 10 years in the Winterthur Program of Studies in Early American Culture and at the University of Delaware, before he left to found the Department of History in Art at the University of Victoria in 1966. He was president of the Society of Architectural Historians (1972-74) and has been visiting professor at the Universities of Edinburgh and Stockholm, and Harvard.

Professor Gowans has increasingly been focusing his attention on vernacular art as a form of cultural expression, and he is now at work on a major revision of his book on North American art history. In connection with that work, he will be a guest at the Geography Department's regular weekly coffee hour, Friday, Oct. 31, at 4 p.m. in Room 101 Walker Building, where he will talk about "Banks as Metaphors of American Cultural Values."

Persons wishing further information about Dr. Gowans' visit should contact Professor Lewis at 665-3433 or 236-1428.

Sociologist to speak at Robeson Center

Black sociologist Dr. Jacqueline J. Jackson will discuss "Still, Where are the Black Men?" on Thursday, Oct. 30, at 8 p.m. in the Paul Robeson Cultural Center.

Dr. Jackson, associate professor of medical sociology at Duke University Medical Center, will be here as part of a gerontology colloquium series on "Adult Development and Aging."

She has published several books and a number of papers and articles on black men and women and the black aged, dealing with such issues as their mental health.

In her talk at the Cultural Center, she will consider current demographic trends pertaining to the socioeconomic status of the black woman.

Dr. Jackson is a graduate of the University of Wisconsin and Ohio State University and has done post-doctoral work at the University of Colorado, Duke University and the University of North Carolina at Chapel Hill.

She has taught at Jackson State University, St. Augustine's College, Howard University and Southern University.

Mozambique chief-of-staff to be honored at coffee hour

Luis Bernardo Honwana, chief-of-staff for Mozambique's President Samora-Machel, will be honored today (Thursday) at a coffee hour from 4 to 5 p.m. in Room 348 Burrows Building.

The hour is sponsored by the



Ann Beattie will present a reading from her works

Ann Beattie, author of the novels *Chilly Scenes of Winter* and *Falling in Place*, will be a guest of the Institute for the Arts and Humanistic Studies Thursday and Friday, Oct. 30 and 31.

She will read from her work at the English Colloquium on Thursday evening at 8 p.m. in Room 101 Kern Building, and during her stay will meet with classes in Advanced Fiction Writing, American Culture of the 1960s and Women Writers.

Her second novel, *Falling in Place*, was hailed in the *New York Times Book Review* as "the most impressive American novel of the season." Richard Locke, in his front-page review, said the book "establishes Ann Beattie not merely as the object of a cult or an 'interesting' young novelist, but as a prodigiously gifted and developing writer who has started to come of age." He noted that she has become "for many readers the representative young American novelist and short-story writer."

A number of Ms. Beattie's short stories have appeared in *The New Yorker*, and they have also been collected in two volumes, *Distortions* and *Secrets and Surprises*.

Orchestra concert Oct. 24

Penn State Symphony Orchestra members have selected three pieces that they performed in rehearsal with the Pittsburgh Chamber Orchestra during its recent residency for their first concert of the season at 8:30 p.m. Friday, Oct. 24, in Eisenhower Auditorium.

Beethoven's "Egmont Overture" will open the program, followed by Dvorak's Symphony No. 8 in G Major, opus 88. A string quartet, double quartet and a full string ensemble will play Vaughan Williams' "Fantasia on a Theme of Thomas Tallis." The program will close with the "Outdoor Overture" by Aaron Copland.

The Penn State Symphony Orchestra, which presents five to six concerts annually, is composed of 70 musicians from all areas of the University. Dr. D. Douglas Miller, now in his 12th year as a director of orchestras at the University, conducts the group.

Guitar instructor to play

The first campus performance by the School of Music's new guitar instructor, Lawrence Rich, will be presented at 8:30 p.m. Monday, Oct. 27, in the Music Building Recital Hall.

His program includes a Fantasy by John Dowland, one of the great lute composers of the 16th century; J.S. Bach's Third Lute Suite, which the composer transcribed from his own Fifth Cello Suite; Sonata in A Major by Anton Diabelli, a contemporary of Beethoven's; and Sonata by Federico Moreno Torroba, a contemporary Spanish composer.

Mr. Rich, who joined the School of Music faculty this fall, received his B. Mus. and M. Mus. in guitar from the Peabody Institute in Baltimore, where he was a student of Ray Chester and Aaron Shearer. He also spent a year in India studying classical Indian music on the sitar and tabla and studied for a time in Madrid.

Alard offers premiere

The American premiere of "Four Messages for String Quartet" by Marjan Lipovsek, a Yugoslavian composer, will highlight the Alard String Quartet's concert at 8:30 p.m. on Wednesday, Oct. 29, in the Music Building Recital Hall.

The Alard performed the work last summer during their European tour.

The program will include also Haydn's Quartet in C Major, opus 54, No. 2, and a late Schubert work, the Quartet in G Major, opus 161.

(Continued on page 6)



Still another varied week of offerings lies ahead. At top, novelist Ann Beattie who will appear at the English Colloquium Oct. 30. Center, Equity guest artists John Sterling Arnold (left) and Patrick Egan appear in URT's "Sly Fox," opening tonight in the Playhouse. (Ticket information, 863-0381.) Bottom, Charles Freeman will take part in Oct. 30 Major Powers in Asia Symposium.

University's Department of Spanish, Italian and Portuguese and the Bate-Papo Club, a Portuguese group. The public will be welcomed.

Symposium on major Asian powers is Oct. 30

An American and a Soviet diplomat will take part in a symposium on "Major Powers in Asia," to be held at 7:30 p.m. on Thursday, Oct. 30, in Room 112 Kern Graduate Building.

The symposium will feature three panelists — Charles W. Freeman, director of the State Department's Office of The People's Republic of China and Mongolian Affairs; Trifonov, counselor of the USSR Embassy in Washington; and Dr. Stanley Kochanek, professor of political science at the University.

Dr. Parris Chang, professor of political science, will chair the symposium, which is being sponsored by the University's East Asian Studies Committee and Asian Area Studies Committee. The public is invited.

In addition to participating in the symposium, Mr. Freeman will also speak on American policy toward China earlier in the day at 11:15 a.m. in Room 69 Willard Building. Interested students and faculty members are welcome to attend.

Mr. Freeman was educated at the National Autonomous University of Mexico, Yale University (A.B., magna cum laude), the Harvard Law School (J.D.), and the Foreign Service Institute. After joining the Foreign Service in 1965, he was assigned to India and to Taiwan.

Since 1971, he has worked in Washington in a variety of capacities, including as principal American interpreter during President Nixon's historic visit to China in 1972.

He was also deputy director of the Taiwan Desk, director of the Office of Public Programs, director of plans and management in the Bureau of Public Affairs in the State Department, director of program coordination and development for the International Communication Agency, and deputy United States coordinator for refugee affairs. He became director of the State Department's China Desk in July 1979.

Mr. Trifonov, born in Kiev, USSR, is a 1961 graduate of Moscow State Institute for International Relations. He was assigned to the Soviet Embassy in Peking twice, from 1961 to 1964, and from 1965 to 1971. He has been the counselor of the Soviet Embassy in Washington since 1974 and is currently in charge of political reporting on Asian affairs at the Soviet Embassy.

Minister's talk on TV preachers

The validity of television evangelists and the "electronic church" will be discussed by The Rev. Dr. William F. Fore, assistant general secretary for communication of the National Council of Churches, tonight (Oct. 23) at the University.

Dr. Fore, a Methodist minister and an outspoken critic of the religious network programs which seem to be replacing local churches, will talk about "The Electronic Church" at 8 p.m. in the HUB Main Lounge.

University Park Calendar

Oct. 23
Nov. 2

Special Events

Thursday, Oct. 23

Fixed date for meetings involving
Commonwealth campus faculty
Kern/WPSX-TV. *Cosmos* series. "Heaven and Hell," noon. Kern Lobby.

Adult Education Brown Bag Luncheon, 12:30 p.m., Room 101 Kern. John Hostler, Univ. of Manchester, on "Adult Education in England."

Policy Research & Evaluation/Economics
Lecture, 1:30 p.m., Room 112 Kern. William D. Carey, AAAS, on "National R&D Policy and American Economic Growth."

Dedication ceremonies for Human
Development East Bldg., 3:20 p.m., main entrance and Nursing Consultation Center.

Spanish, Italian and Portuguese coffee hour, 4-5 p.m., Room 348 Burrows. To honor Luis Bernardo Honwana, chief-of-staff for Mozambique's President.

FSHA 410, modern Greek meal, 5:45 and 6:30 p.m., Maple Room, Henderson. Reservations, 865-1736.

Cinema/theatre, *The Parallax View*, 7 and 9 p.m., HUB Assembly Hall.

French Dept., Compagnie Bernard Uzan, Boston, in *Voltaire's Candide*, 7:30 p.m., Schwab English Colloquium, 8 p.m., Room 101 Kern. Stanley Fish, Johns Hopkins Univ., on "Short People Got No Reason to Live: Or, How to Recognize Irony When You See Or."

Religious Affairs lecture, 8 p.m., HUB Main Lounge. The Rev. Dr. William F. Fore, National Council of Churches, on "The Electronic Church."

Friday, Oct. 24

Fixed date for meetings involving
Commonwealth campus faculty.

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Hays Kamigaki, agricultural economics, on "The Effect of Nuclear Power Plants on Nearby Property Values."

Commonplace Theatre, *Lord Jim*, 6:30 and 9 p.m., Room 112 Kern.

GSA film, *All About Eve*, 6:30 and 9 p.m., Room 105 Sparks.

SFO film, *The Producers*, 7 and 9 p.m., HUB Assembly Hall.

Sports: soccer vs. Navy, 7:15 p.m.
University Symphony Orchestra, Douglas Miller, conductor, 8:30 p.m., Eisenhower Auditorium.

Saturday, Oct. 25

Fixed date for meetings involving
Commonwealth campus faculty.

GSA film, *All About Eve*, 6:30 and 9 p.m., Room 105 Sparks.

France-Cinema, *The Seventh Seal*, 7 and 9 p.m., Room 112 Kern.

Artists Series, Goldovsky Grand Opera Theater, *The Barber of Seville*, 8:30 p.m., Eisenhower Auditorium.

Sunday, Oct. 26

University Chapel Service, 11 a.m., Eisenhower Chapel. The Rev. Robert Boyer, United Methodist, PSU, speaker.

Shaver's Creek Nature Center, 10,000-meter open and two-mile fun run, 2 p.m., Stone Valley.

Open reception for Jackie Battenfield fiber exhibit, 3-5 p.m., School of Visual Arts Zoller Gallery.

Commonplace Theatre, *Lord Jim*, 6:30 and 9 p.m., Room 112 Kern.

GSA film, *The Seventh Seal*, 7 and 9 p.m., Room 105 Sparks.

Monday, Oct. 27

First day to sign Winter Term NDSL and University Long Term Loans, Room 108 Shields.

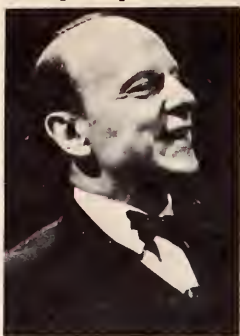
Last date for Nov. graduates to deliver thesis to Graduate School, for Departments to certify to Graduate School completion of required papers for Nov. graduates.

STS/TCD, lunch, noon, presentation, 12:20 p.m., Room 101 Kern. George W. Brindley, mineral sciences emeritus, on "Some Observations on Contrasting Systems of Education."

Alard String Quartet recital, 12:45 p.m., Room 112 Kern.

France-Cinema, *The Seventh Seal*, 7 and 9 p.m., Room 112 Kern.

Troupe to present "The Barber of Seville"



Boris Goldovsky

When Gioacchino Rossini's *opera buffa*, *The Barber of Seville*, is presented at the Eisenhower Auditorium on Saturday, Oct. 25, at 8:30 p.m. by the Goldovsky Grand Opera Theater, the audience will have no difficulty in following its merry, madcap characters through their intrigues and adventures. It will also be able to savor the subtleties of the famous Beaumarchais comedy on which Rossini and his librettist, Cesare Sterbini, founded their masterpiece.

For, like all of the 32 operas in the Goldovsky Company's active repertoire, *The Barber of Seville* has been translated into contemporary idiomatic English—Boris Goldovsky and Sarah Caldwell having collaborated in this case on a new English version of the 156-year old Italian libretto.

Lawrence Rich, guitar recital, 8:30 p.m., Music Building Recital Hall.

Tuesday, Oct. 28

Red Cross Bloodmobile, 10 a.m.-4 p.m., Walnut Bldg.

Comp. Lit. Luncheon, 12:15; talk, 1 p.m., Room 204 HUB. Diane Hume George, English, Behrend, on "Feminine Form in William Blake's Poetry and Art."

Sports: field hockey vs. Ursinus, 2:15 p.m.; soccer vs. Shippensburg, 7:15 p.m.

Comp. Lit. Film Series, Pontecorvo, *Battle of Algiers*, 6:30 and 8:45 p.m., Room 112 Kern.

Wednesday, Oct. 29

Red Cross Bloodmobile, 10 a.m.-4 p.m., Walnut Bldg.

Alard String Quartet recital, 12:45 p.m., Room 112 Kern. Concert, 8:30 p.m., Music Building Recital Hall.

Black Film Series, *For Love of Ivy*, 7:30 p.m., Robeson Center.

Colloquy lecture, 8 p.m., Eisenhower Auditorium. Aldo Florescu, expert on Dracula, speaker.

Thursday, Oct. 30

Kern/WPSX-TV *Cosmos* series, "Blues for a Red Planet," noon. Kern Lobby.

Charles Freeman, U.S. Dept. of State, 11:15 a.m., Room 409 Willard, on "U.S. Policy Toward China."

Cinema/theatre, *The Abominable Dr. Phibes*, 7 and 9 p.m., HUB Assembly Hall.

Interdepartment lecture, 8 p.m., Room 105 Forum. Alan Gowans, Univ. of Victoria, British Columbia, on "Learning to Look The Three Traditions of Art History."

Sponsored by Geography, Architecture, Art History, Landscape Architecture and IAHS.

English Colloquium, 8 p.m., Room 101 Kern. Ann Beattie, novelist, reads from her works.

Major Powers in Asia Symposium, 7:30 p.m., Room 112 Kern. Charles W. Freeman, U.S. Dept. of State, Trifon Trifonov, USSR Embassy, Washington; Stanley Kochanek, political science, and Parrish Chang, political science, moderator.

Linguistics/Slavic Languages lecture, 8 p.m., Room 251 Willard. Henry Homigswalk, Univ. of Pa., on "American and European Linguistics."

Penn State Thespians, Comden and Green, *Bells Are Ringing*, 8 p.m., Schwab.

Robeson Center lecture, 8 p.m., Walnut Bldg. Jacqueline J. Jackson, medical sociology,

It is the conviction of Boris Goldovsky, under whose direction this production of "The Barber" has been readied for its national tour, that when an audience understands everything an operatic cast is singing, it becomes far more critical of the action, stage business and character portrayals, and performers may no longer relax their dramatic standards behind the protective screen of language incomprehensibility. Mr. Goldovsky is known to millions as "Mr. Opera" for his intermission commentaries on the weekly Saturday matinee broadcasts from the Metropolitan Opera House.

Rossini's classic *opera buffa* was a catastrophic failure at its world premiere, due to a variety of hilarious occurrences having nothing to do with the libretto itself—strings of a guitar snapping, a cat walking nonchalantly across the boards, Don Basilio becoming entangled in his robes. The 24-year-old Rossini, who was conducting, fled the house fearing that he was in danger of assassination from the hooting, whistling crowd. The staging problems were soon ironed out, however, and "The Barber" began the popular course from which it has never wavered.

The Goldovsky Opera Theater's presentation, conducted by Boris Goldovsky, employs a company of 50, including 11 principal singers and orchestra, and will be fully staged with the atmosphere of 18th century Seville colorfully created in newly designed sets. Tickets are now on sale at the HUB booth and Eisenhower Auditorium box office, weekdays, from 9 a.m. to 4 p.m. Any tickets remaining will go on sale at the door, beginning at 7 p.m. the evening of the performance.

Duke Univ., on "Black Women—Still, Where Are the Men?"
URTC, Gelbart, adapted from *Volpone*, Sly Fox, 8 p.m., The Playhouse.

Friday, Oct. 31

Last day to sign Fall Term NDSL and University Long Term Loans, Room 108 Shields.

Sports: j.v. football vs. Wesley Junior College, 2 p.m.; soccer vs. SUNY/Binghamton, 7:15 p.m.

Geography Dept. Coffee Hour, 3:45 p.m., Room 101 Walker. Alan Gowans, Univ. of Victoria, B.C., on "Banks as Metaphors of American Cultural Values."

Ag. Student Council, Ag. Hill Festival: dinner, 5:30-7 p.m., Terrace Room; social, 7:30 p.m., HUB Ballroom.

GSA, Halloween Party, 6 p.m., Kern Lobby.

SFO film, *Neame. The Odessa File*, 6:30 and 9 p.m., Room 112 Kern.

Penn State Thespians, *Bells Are Ringing*, 8 p.m., Schwab.

URTC, Sly Fox, 8 p.m., The Playhouse.

Saturday, Nov. 1

Sports: cross-country (men), Coaches Championships, 10:30 a.m.; football vs. Miami, Fla., 1:30 p.m.

France-Cinema, *Sautet. A Simple Story*, 7 and 9 p.m., Room 112 Kern.

GSA film, *The Parallax View*, 7 and 9 p.m., Room 105 Sparks.

Penn State Blue Band, Ned Deihl, conductor, 8 p.m., Eisenhower Auditorium.

Penn State Thespians, *Bells Are Ringing*, 8 p.m., Schwab.

URTC, Sly Fox, 8 p.m., The Playhouse.

Sunday, Nov. 2

Sports: field hockey vs. West Chester, 2 p.m.

Commonplace Theatre, *Wait Until Dark*, 7 and 9 p.m., Room 112 Kern.

GSA film, *The Parallax View*, 7 and 9 p.m., Room 105 Sparks.

Seminars

Thursday, Oct. 23

Ceramic Science, E.R. Fuller, National Bureau of Standards, on "Microchemicals of Crack Growth in Glass and Ceramics," 11 a.m., Room 301 Siegel (new listing).

Mathematics, James Baumgardner, Dartmouth College, on "Games Set Theorists Play," 4

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

p.m., Room 102 McAllister (new listing).
Engineering Science and Mechanics, G. Widera, Univ. of Illinois/Chicago Circle, on "Asymptotic Theories for Anisotropic Cylindrical Sheets," 4 p.m., Room 152 Hammond (new listing).

Friday, Oct. 24

Analytical Chemistry, Paul Longeway, grad. student, on "The UV Photolysis of Methylsilane," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Victor Bondyby, Bell Telephone, on "Spectroscopy of Molecular Ions in Gas and Condensed Phases," 2:30 p.m., Room 333 Whitmore.

Mathematics, A. Ranicki, Princeton Univ., on "Quadratic Forms and Manifolds," 4 p.m., Room 112 Osmond.

Monday, Oct. 27

MC3B, George Todaro, National Cancer Institute, speaker, 4 p.m., Room 101 Althouse.

Tuesday, Oct. 28

MC3B, George Todaro, National Cancer Institute, speaker, 11 a.m., Room 101 Althouse.

Biology, Sam J. McNaughton, Syracuse Univ., on "Grazing Ecology in a Savanna Ecosystem: The Serengeti," 11:10 a.m., Room 117 Borland.

Organic/Inorganic Chemistry, A. Kozikowski, Univ. of Pittsburgh, on "New Methods of the Carboxylate Field and Synthesis of Pseudomoc Acid," 12:45 p.m., Room 333 Whitmore.

Thursday, Oct. 30

Chemistry, John Yates, National Bureau of Standards, on "Spectroscopic Studies of Chemisorption—Forging a Relationship Between Catalysis, Single Crystal Surfaces and Organometallic Chemistry," 12:45 p.m., Room 333 Whitmore.

Air Pollution Control, James J. Reuther, fuel science, on "Synthetic Fuel Combustion-Generated Air Pollution," 2:20 p.m., Room 69 Willard.

Microbiology, James Zechman, grad. student, on "The Ecology of *Pseudomonas aeruginosa* in Natural Soil," 3:35 p.m., Room 5-2 Frear.

Engineering Science and Mechanics, T. Trybala, Aberdeen Proving Grounds, on "New Mathematical Techniques in the Government Test and Evaluation Community," 4 p.m., Room 152 Hammond.

Mathematics/Physics, Huziuro Araki, Kyoto Univ., on "The C*-Algebraic Approach to Quantum Field Theory and Statistical Mechanics," 4 p.m., Room 102 McAllister.

Statistics, William DuMouchel, MIT, on "An Empirical Bayes Model for the Computation of Relativities in Automobile Insurance," 4 p.m., Room 60 Willard.

Psychology, Donald G. Burney, Univ. of Pittsburgh, on "The Challenge of Pyschology," 7:30 p.m., Room 351 Moore Bldg.

Friday, Oct. 31

Analytical Chemistry, A.F. Findes, National Science Foundation, on "Chemistry—A Piece of the Pie," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Norman Li, Duquesne Univ., on "Molecular Interactions in Colloid-Derived Liquids," 2:30 p.m., Room 333 Whitmore.

Exhibits

HUB Gallery: Penn State Room "Celebrate Me Home," photographs of Penn State 1861 to present, through Nov. 1.

Kern Gallery: Ann Hettmansperger and Cora E. Lucas, ceramics and poetry, through Oct. 31; "First of Ten" group exhibit, opens Oct. 26.

Museum of Art: European paintings and contemporary prints from the permanent collection. The Art of the Needle: 18th to 20th century American works from the permanent collection, opens Oct. 26.

Patter Library: Founding a University. The Pennsylvania State University's 125th Anniversary, through Oct. 31; photography by Marc Levey and his students, opens Nov. 1.

East Corridor Gallery: Photographs by Cheryl Levey, Lending Services Lobby. Graphic works by Richard Rutkowski, Main Lobby.

Visual Arts Zoller Gallery: Jackie Battenfield, fiber exhibit, opens Oct. 26.

Penn Staters

(Continued)

25-year chairs

Dr. J. William Holl, professor of aerospace engineering and project engineer in charge of cavitation research at the Applied Research Laboratory, recently received a 25-year service award from the University.

Dr. Holl earned three degrees in mechanical engineering, a B.S. and M.S. from the University of Illinois and a Ph.D. at Penn State in 1958. Starting at the University as a research assistant and then working as a research associate during 1951-1954 and 1956-1958, he conducted hydrodynamics research at ARL. He served in the U.S. Army during 1955 and 1956.

After completing his Ph.D., he became an assistant professor of engineering research and continued his work in hydrodynamics, with primary emphasis in cavitation. In 1959 he left Penn State to become associate professor of mechanical engineering at the University of Nebraska, returning in 1963 as an associate professor of aerospace engineering. He was promoted to professor in 1967.

At Penn State, Dr. Holl has been a member of the University Faculty Senate and the Graduate Council and has been acting head of the Department of Aerospace Engineering and the Fluids Engineering Department of ARL.

Dr. Holl has been active in several professional societies. He was named a Fellow of the American Society of Mechanical Engineers and is currently vice-president of ASME's basic engineering department. He is also an Associate Fellow of the American Institute of Aeronautics and Astronautics.

In 1970, Dr. Holl was a co-winner of both the ASME T. Knapp Award and the ASME Melville Medal. In 1973 he was named the Outstanding Mechanical Engineer of the Central Pennsylvania ASME Section, and in the same year he was honored by the University with the Lindback Award for outstanding teaching. In 1977, ARL presented him with a Distinguished Performance Award for his work exploring all aspects of the mechanism and prevention of cavitation. Last May, the University of Illinois honored him as a distinguished graduate of



Dr. Holl



Professor Kolesar



Professor Gilmore

its Department of Mechanical and Industrial Engineering, and in June he was awarded a Centennial Medallion for service to ASME.

John Kolesar, professor of engineering at Wilkes-Barre, is celebrating his 25th year at Penn State. The first Wilkes-Barre faculty member to be named a full professor, he serves as program chairman for the Associate Degree Programs in Railway Engineering Technology (of which he was co-developer) and Highway Engineering Technology and Surveying Technology (both of which he developed).

Chairman of the Campus's Planning and Development Committee, Professor Kolesar is currently serving his third two-year term as a member of the University-wide Promotion and Tenure Committee. He is a long-time University Faculty Senate member and was a recipient of the annual Hayfield Award of the Wilkes-Barre Student Government as the Campus's outstanding faculty member.

A 1952 graduate of Penn State with a degree in landscape architecture and a minor in civil engineering, Professor Kolesar is a registered land surveyor in Pennsylvania. He did additional academic work in concrete and asphalt design with the U.S. Corps of Engineers. He has authored a number of papers and served as an instructor at Kings College and Cornell University.

Retirements

Herbert C. Gilmore, professor of dairy science extension, will retire Nov. 1 with 35 years of service.

Mr. Gilmore earned his B.S. from Penn State in 1941 and his M.S. from the University of Massachusetts in 1962. He was appointed to the Extension staff in 1945 as assistant county agent in Clarion and Venango counties, transferring to the Extension dairy science faculty in 1946.

Since 1955, he has been in charge of the Pennsylvania Dairy Herd Improvement Association program. Under his leadership, the number of dairy herds enrolled in all Penn State testing programs has increased from 2,319 to more than 5,000 and the cows on test from 52,000 to 271,000. Average yearly milk production for cows on test increased by 5,000 pounds.

Mr. Gilmore instituted the electronic processing of DHIA records statewide. Since 1970, all samples have been tested at a Central Milk Testing Laboratory located at University Park.

In 1976, Mr. Gilmore helped add a new service to the DHIA program — somatic cell testing, which identifies cows with potential mastitis problems. Currently, 30 percent of all herds on test receive this service.

Joseph C. Jones, an electrical and plumbing maintenance mechanic at the

Ogontz Campus, retired Oct. 1. He had been a member of the staff since May 1, 1971.

Elsewhere in Academe

In a follow-up to the 1970 Roosevelt Anderson report, the quality of more than 2,000 doctoral programs in 35 disciplines will be assessed by the National Academy of Sciences under the direction of the Conference Board of Associated Research Councils. Ratings, to be conducted by university faculty members and researchers in industry, will be ready by May 1982.

Public colleges and universities in at least nine states are bracing for next month's balloting as they confront tax cutting proposals which will affect their revenues. Reductions in local property taxes have been proposed in Michigan, Arizona, Iowa, Massachusetts, Nevada, Oregon, South Dakota, Utah, and West Virginia.

Continuing a trend that began in 1968, average Scholastic Aptitude Test scores declined again this year, according to the College Board's annual report. Average verbal scores fell from 427 in 1979 to 424 this year. The average mathematics score declined one point, to 466.

Positive contacts between faculty and students can enhance retention

Editor's note: The following memorandum was prepared by Dr. Norman Freed, associate dean for resident instruction in the College of Science, to accompany a collection of information on advising compiled annually for faculty advisors in the College. INTERCOM is reprinting the memorandum at the suggestion of the Office of the Provost.

The projected decline in the number of 18-22 year olds has forced college officials across the country to pay increasing attention to both the attraction of the most highly qualified undergraduate students and — no less important — their retention. It was to address this latter issue that the Office of the Vice-President for Undergraduate Studies sponsored two recent conferences: "Retention in a Climate of Excellence" (1979) and "The Freshman Year: Creating a Slaying Environment" (1980). In view of the timeliness of this topic and its relevance to the attached materials, I felt that it might be appropriate to summarize briefly some of the issues treated at those meetings.

First, some statistics on retention. Nationally, approximately 50% of those students who enter college in a given year will graduate within five years. At Penn State, the comparable figure is 60%, a rate similar to that at other land-grant institutions. Of those who enter a typical class at Penn State, 82% reenroll as sophomores, 72% as juniors, 65% as seniors, and 60% graduate by the end of

the fifth year. It is clear that 45% of the attrition occurs during the freshman year, a finding which motivated the second conference.

Who drops out? There seem to be five factors affecting persistence, not all of which are independent.

- 1) **Attitudinal factors** — dropouts are found to be more impulsive, have less emotional commitment to education, come from families of lower socio-economic status, are less likely to profit from past experiences, and are more lacking in flexibility to deal with changing circumstances than are persisters.
- 2) **Unreal expectations** — the dropout, perhaps abetted by the recruitment office, brings to the campus expectations that are unrealistic and that no college could live up to.

3) **Lack of direction** — the dropout is often academically rootless, with little idea of where he is or where he is heading.

4) **Academic ability** — while it is true that as a rule dropouts do have lower academic ability than persisters, it does not follow that dropouts lack the intellectual capabilities for success. A study of dropouts from several West Coast institutions yielded the result that 75% had entered college with high school GPA's of 3.0 or better and 93% had college GPA's of at least 2.0. At Penn State, it is found that while the frequency of dropping out increases with decreasing academic

potential (as determined by SAT scores and high school GPA), a disproportionately large number of dropouts come from the ranks of the most capable. One is forced to conclude that the convenient rationalization that dropouts are students who never should have entered college in the first place is not consistent with the facts.

- 5) **Student involvement** — this appears to be one of the most critical factors.

According to an expert in the field, "... the more involved a student is in the academic experience, the better that student's chances of persisting." He continues: "... virtually every policy or practice that seems to enhance persistence also increases student involvement. This pattern of effects suggests that as a general operating concept ... universities should strive to encourage students to become involved, to invest more of their time and their physical and psychic energy in the educational process."

Given that there are numerous reasons for students to drop out, most of which we have little or no control over, is there anything that faculty can do to enhance the retention rate? From a Penn State report: "Research data clearly establishes a link between faculty/student relationships and retention ... If there was a common theme running throughout, it was a need for more personalized, individualized attention. Dropouts from the University Park campus emphasized the desire for

more contact with faculty ... " From a Nebraska Wesleyan report: "For a student to remain in college, there must be at least one professor who cares ... " From a Syracuse University study: "There is a progressively more positive association between the amount of informal contact (freshmen) students have with faculty members and their attitudes toward both their academic programs and nonacademic lives ... "

The conclusion derived from these and countless other studies is inescapable: positive contact between faculty and students enhances retention. I doubt that many faculty are aware of the enormous impact — positive or negative — they can and do make on students. Visitors to this office have quite often recalled with obvious pleasure the precise words of an instructor or an advisor with whom they had had a particularly stimulating or helpful discussion years before. On the other hand, the failure of an advisor or instructor to honor office hours or his unwillingness to assist a student with a question or problem are highly upsetting; caustic or denigrating remarks can only be described as devastating.

There is little doubt that most students in the college are receiving the quality of instruction and advice they have every right to expect. We ask the assistance of all faculty in making a good record even better.

News in Brief

(Continued from page 5)

Ag to hold annual festival for faculty, students, staff

Members of the faculty, staff and student body in the College of Agriculture will have an opportunity to become better acquainted at the annual Ag Hill Festival on Friday, Oct. 31.

The evening will start with a dinner in the Terrace Room of the HUB, served from 5:30 to 7 p.m. Ag Student Council members will be on hand as hosts.

Activities in the HUB Ballroom will open at 7:30 p.m. with a series of color slides showing the "lighter" side of faculty, student, and general College activities.

The slide show will be followed by a revised version of the annual M.S. College of Agriculture contest. This year's event will name both a Mr. and Ms. College of Agriculture. Candidates, who have been nominated in advance by clubs and organizations, will compete through an interview process. Winners will represent the College of Agriculture at events held throughout the year.

The evening will be topped off with bingo, and square dancing, run by members of the Campus 4-H Club. Free cider and doughnuts will be served.

Tickets are \$5 for faculty and staff members. They will be available until Oct. 30 through all department offices in the College of Agriculture and in Room 217 of the Agricultural Administration Building. Student tickets are \$3.

Fiber exhibit at Zoller

An exhibition of fiber work by Jackie Battenfield, a 1971 art education graduate of the University, will be on display at the Zoller Gallery from Oct. 26 to Nov. 13. An opening reception for the artist will be held from 3 to 5 p.m. Oct. 26 in the Gallery.

Ms. Battenfield, who is currently teaching at the Rhode Island School of Design, received her M.F.A. at Syracuse, where she held a Ford Foundation grant. She has had several solo exhibitions of her work, and her pieces have also been included in a number of group exhibitions.

Sorry, wrong number

The Delaware County Campus reports that the new network number which they supplied for last week's INTERCOM was incorrect. Please call 361-2111.

Penn State students studying in Tel Aviv

A new agreement between the University and Tel Aviv University is providing an opportunity for Penn State students to study in Israel.

The agreement was signed by President Oswald and Professor Haim Ben-Shahar, president of Tel Aviv University, at a recent ceremony in Israel.

Details of the agreement were worked out over the past 18 months by Penn State's Office of Foreign Studies and officers of Tel Aviv University.

Six Penn State students are already studying in Tel Aviv. Students may choose either one semester or one-year programs in subjects including liberal arts and sciences, Judaic studies, Middle Eastern studies, humanities, Hebrew, psychology and archaeology.

They also participate in tours of the country, field-trip seminars on subjects such as the kibbutz and the development towns, and discussion seminars with Israeli youth. They live in dormitories and room with Israeli and foreign students.

Students may also opt to participate in a community involvement program in which they can establish a "big brother" relationship with children from disadvantaged neighborhoods.

Nobel Prize

(Continued from page 1)

innovation within a framework erected from his suggestions. While he is certainly

demanding in that he monitors very carefully his students' progress, he's also a very warm person, and it's apparent at once that his students feel very close to him.

Because of his prominence as a researcher and his genuine concern for the societal impact of his area of research, Paul Berg has been called on to help formulate guidelines for DNA research. Characteristically, he has tried to balance carefully his concern that scientists be able to work freely and his worries over federal and industrial restriction on the flow of information.

The members of the Department of Biochemistry at Stanford (which includes another Nobel laureate, Arthur Kornberg) are very close; it's truly a scientific community characterized by enthusiasm for science, an unusual spirit of cooperation and, despite their prominence, a lack of pretentiousness that infuses all members. The natural tension between faculty and students is quite successfully channeled into their pursuit of solutions for the challenging problems they face in this area of molecular biology.

Restrictions lifted

(Continued from page 1)

to release the other half on or before January 5, 1981," he said.

"The actions that were taken during the prolonged period of financial uncertainty," he added, "were necessary to preserve the University's fiscal integrity. I appreciate the full cooperation and patience of all involved."

Behrend College

(Continued from page 1)

Some of the work shop participants will serve on an Advisory Committee to assure that the programs which are developed meet the needs of students and potential employers.

Additional workshops will be held annually. Dr. Shull said, "to enable the industrial, commercial and public service communities to contribute and participate in the development of our programs."

The next step in the project will be a commissioned survey of national energy-environment work force needs and the potential employment market.

Another year will be spent in preparing curricula, and, following University approval and the development of resource material, the program will begin operations. The target date is September 1982.

Dr. Shull will serve as project director; associate project director will be Dr. Edwin C. Masteller, associate professor of biology at Behrend.

Libraries

(Continued from page 1)

University of Iowa, Rutgers University, Brigham Young University, Colorado State University, Brown University, Cornell University, Johns Hopkins University, New York University, Northwestern University, Tulane and the American Antiquarian Society.

To maintain the flexibility of its operations, RLC plans to limit its membership to a maximum of about 50 institutions, Dean Forth says.

Access to the collections of RLC members will be through the Research Libraries Information Network (RLIN). RLC will furnish Penn State with computer terminals to enable the University to plug into the RLIN data base. Participation in the various programs will be phased in as staffing and equipment become available.

"RLIN is a mechanism for shared cataloging, ultimately reducing participating libraries' operating costs," Associate Dean Murray S. Martin comments. "Librarians and scholars will be able to search a machine-readable data base including not only their own library's card

catalog but also the catalogs of the other member institutions and that produced by the Library of Congress.

"While our users will not necessarily be aware of major changes, membership in RLC gives us access to collections numbering more than 55 million volumes, and many of these collections are unique. RLC members are pledged to give priority to one another's interlibrary loan requests, to lend certain materials which normally would not circulate and to expedite delivery and return of loaned materials. No charge will be made for interlibrary loans. Also, on-site access to member library collections is available."

Researchers can search the catalog by personal name, corporate name, title and subject heading, just as with a conventional catalog. In addition, RLIN users can search by Library of Congress card number, local call number, International Standard Book Number (ISBN), International Standard Serial Number (ISSN) and several special indices for films, maps, sound recordings, music scores and serials.

"For the last few years, Penn State has been affiliated with the Ohio College Library Center (OCLC)," Dean Forth notes. "OCLC is, in effect, a private utility with whom we contracted for cataloging services, paying for the use of their data base and for catalog cards. The data base met about 60 percent of our cataloging data needs, and we contributed original cataloging data ourselves."

"Beginning in 1981, however, we will use computerized instead of catalog cards for recording the materials in our collections, and OCLC will no longer be responsive to our needs, although we do plan to maintain some link with it to facilitate interlibrary loan."

"While many of the member institutions served by OCLC are small public libraries, RLC was established solely to serve the needs of research libraries. In addition to providing shared access to research materials, it will promote the development of cooperative programs in collection development so that members do not go out and duplicate expensive, highly specialized materials. Member libraries will also cooperate in developing special collection emphases."

"Preservation of existing materials is another RLC concern," Dean Forth continues. "The New York Public Library, for example, estimates that as many as a million of the books in its collection are being reduced to sawdust because of the high acid content of the paper on which they were printed."

Dean Forth and Dean Martin point out that in the future research libraries will probably participate in a number of networks such as RLC and OCLC, "using them in slightly different ways to try to hold internal costs steady."

"When telephone service began," Dean Forth points out, "there were a host of private companies competing savagely for a share of the profits from this new invention. The resulting splintering of service was so inefficient that a national network evolved."

"Compatibility among computerized library systems is certain to develop also as the state of the art progresses."

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Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1287 (network line 475, 1387). Applications for these staff vacancies will be accepted until 5 p.m., Oct. 30, 1980. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (a) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ASSISTANT MANAGER, HOUSING AND FOOD SERVICES, HAZLETON CAMPUS Responsible to Manager, Housing and Food Services—Commonwealth Campuses for assisting in supervising the overall operation of the Housing and Food Service units. Associate degree in institutional management or equivalent, plus two years' related experience in food supervision.

APPLICATIONS PROGRAMMER/ANALYST, OFFICE OF PLANNING AND BUDGET Together with the Lead Applications Programmer/Analyst, conduct analyses of data processing and customer data, problems and needs. Develop and implement solutions for solving problems and prepare computer programs and systems to achieve desired end results. Baccalaureate degree or equivalent experience in computer systems. Two to three years of effective experience in computer programming and analysis required. Knowledge of PL/I and/or Cobol programming languages and structured programming techniques is helpful.

LEAD SYSTEM DEVELOPER, INTERCOLLEGE RESEARCH PROGRAMS Responsible to the Manager of the Systems Development Group in the Computer Center for providing technical leadership and coordination of the development of major enhancements of computer operating systems, major modifications of externally available system software and development of complete systems. Generates and researches proposals for new operating system programming and system development on large IBM system. Demonstrable technical leadership ability.

SENIOR SYSTEM DEVELOPER, INTERCOLLEGE RESEARCH PROGRAMS Responsible to the Manager of the Systems Development Group in the Computer Center for the development of major enhancements of computer operating systems, modification of externally available system software, and the development of computer subsystems. Generates and researches proposals for new operating system enhancement projects. Master's degree in computer science or equivalent, plus minimum of two years effective experience in system programming and system development on large IBM system or bachelor's degree (or equivalent) plus four years of effective experience.

SYSTEMS DEVELOPER, INTERCOLLEGE RESEARCH PROGRAMS Responsible to the Manager of the Systems Development Group in the Computer Center for the development of significant enhancements of computer operating systems, modification of externally available system software and the development of components of major subsystems. Bachelor's degree in computer science or equivalent, plus one year's directly related experience in system programming and system development on large IBM system.

ADMINISTRATIVE ASSISTANT, INTERCOLLEGE RESEARCH PROGRAMS Manage office of the Director, assist with all budgetary matters including planning and implementation, responsible for University general budget; assist in preparation and processing of research proposals, including budget preparation, administer expenditures of miscellaneous funds in compliance with restrictions as outlined in proposals as well as specific agency guidelines; determine appropriate budgetary distribution of salaries, supervisory and student staff; B.S. degree (or equivalent) with accounting and bookkeeping background. Must have experience with University forms and accounting system, as well as experience with grants, contracts, and processing research proposals. One to two years' effective experience required.

ASSISTANT FOOD SUPERVISOR, HOUSING AND FOOD SERVICES, CAPITOL CAMPUS Responsible for assisting in the supervision of Dining Hall operations. Bachelor's degree or equivalent, with 12-24 months' effective experience in food service, required.

SENIOR RESEARCH TECHNOLOGIST, INTERCOLLEGE RESEARCH PROGRAMS Conduct research in biochemical toxicology; should have experience in any of the following areas: drug metabolism, antioxidant defense mechanisms, enzymology, membrane biochemistry. B.S. with several years of research experience or M.S. with lab experience in biochemistry. First Term 1 position available 1U/1U. Position to be funded to Oct. 31, 1982. Possible renewal of funding.

Penn State Intercom

To: The Penn State Community
From: John W. Oswald, President of the University

In September I advised the University community that I was inclined to the view that Penn State should adopt an early semester calendar, probably to be effective in the Summer of 1984. As discussions about a calendar change ensued, a few common questions emerged. In this letter I would like to address those questions. Why are we considering a calendar change now?

First, the current term calendar was instituted in September, 1975, to continue to July, 1983. If we are to make any changes in the calendar, we need sufficient lead time for the change over. Second, there appears to be substantial dissatisfaction with the current Penn State calendar. That sentiment was expressed on a number of occasions as faculty and staff members prepared *A Perspective on the '80s*. I have received many expressions of support for a semester calendar. Third, the Penn State calendar, so different from other institutions in Pennsylvania and adjacent states, creates problems of transfer and interchange. Finally, a calendar change provides a welcome opportunity, perhaps a mandate, to reexamine, restructure, and revitalize the courses, programs, and services of The Pennsylvania State University.

Has the decision on the calendar change already been made?

No. As I stated in September, I'm inclined toward an early semester system. The early semester plan aims to complete all instructional activities and examinations for the Fall semester prior to the December holidays. During the last decade, that type of calendar has grown in importance so that it is now used by the majority of reporting institutions. While predisposed to the early semester calendar, I am open to persuasive evidence and data against that system and for an alternative or for the status quo.

Why do you favor the early semester system?

Like many faculty members, I believe that the early semester calendar will improve the quality of the educational experience at Penn State for students and professors alike. A semester system should permit a more comprehensive coverage of course material in a more deliberate and less hurried manner. There should be added opportunities and more time for written assignments and research projects, crucial elements of the instructional process. There should be more time for students to develop, for ideas to ferment, and for concepts to take hold.

In concert with these educational advantages, the University will realize some economic efficiencies as we reduce the number of registrations, graduations, and various cost items associated with start-up and wind-down.

Finally, I believe that the reexamination and revitalization of the total

University are desirable and necessary. Such a process could, of course, be done in the absence of a calendar change but the necessity to do so as a function of calendar change may help account for the fact that periodic calendar change is the pattern, not the exception, in American institutions of higher education.

Won't the calendar change lead to increased workloads for faculty?

In my September letter, I suggested that teaching loads would be a major issue and I am not, therefore, at all surprised to find that this question looms large with faculty members and academic administrators. Because we have some 3,200 faculty members and about 120 degree programs, generalizations are hazardous and absolutes almost impossible. Nonetheless, I do not believe there is any evidence that a calendar change, *per se*, will inevitably increase current faculty workloads.

We are not committed to a conversion formula universally applied — that would be a simplistic and probably ill-advised approach. Rather I would like Penn State to commit to a different goal: to meet in the most effective and efficient way under a semester plan the program obligations of each academic unit. We need to rethink and, perhaps, redesign programs and courses as well as the requirements for each major and each degree. Given the creative talent of our faculty, I'm confident that high quality semester-based programs can be developed which will not require an increased teaching load or an increase in the number of faculty. The issue of workload and manpower utilization is critical; but when the workload question is examined in the context of program reexamination and redesign, there appears to be, as yet, no evidence that an automatic workload increase is inescapable.

Won't the new calendar impede the research programs of the University?

While we must, of course, examine this question carefully, as I recommended in September, I do not think that a calendar conversion, *per se*, will harm the University's research thrust. There are many great research universities on a semester system: Illinois, Indiana, Harvard, Yale, Johns Hopkins, Pennsylvania, University of Wisconsin at Madison, and University of North Carolina at Chapel Hill, to name only a few. From that list I think we can derive a measure of confidence that scholarly research and a semester system are not inherently incompatible. The semester system does work at research universities; we need to make the system work at Penn State.

I hope this letter answers some of the questions that have been posed and clarifies some of the confusions that may have arisen. On a matter as complex as a calendar change, there will always be some questions and some disagreement. I shall attempt to do all that I can to help answer those questions and resolve those disagreements as we work toward the common goal of academic excellence.

Historian serving as consultant to National Gallery

As far as the National Gallery of Art is concerned, Penn State historian Eugene N. Borza is a scholar with the right subject at the right time.

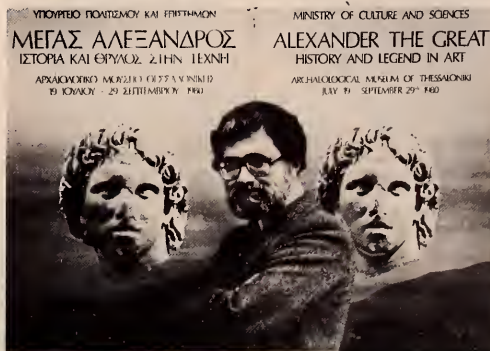
That's why they've asked him to serve as historical consultant for their blockbuster exhibition — "The Search for Alexander" — scheduled to open in Washington, D.C., on Nov. 16.

But Dr. Borza actually came to his interest in the world conqueror and ancient Macedonian history by arriving at the wrong place for the wrong subject.

"I'd taken a criminology course in college from a sociology professor who was a very good lecturer, and I signed up for a second course from him," Dr. Borza recalls. "But when I went to the first class, there had been a room switch, and I wound up listening to a lecture on Roman history. The professor was interesting so I stayed, and by the end of the course I knew I wanted to study ancient history. I did my doctoral dissertation on Alexander."

Although he died at the age of 32 in 323 B.C., Alexander has continued to fascinate both scholars and the public down through history. According to Dr. Borza, a street-survey conducted by the National Gallery found that roughly 90 percent of the people queried had heard of Alexander — even though many were unable to say where or when he had lived.

The National Gallery expects the exhibition, which has been lent by the Greek Government, to be second in drawing power only to Tutankhamen's. (The show will travel to Chicago, Boston,



Dr. Borza with posters from "Alexander shows" held earlier in Greece and London.

San Francisco, Toronto, New York and New Orleans over the next two years.)

Why does the fascination with Alexander continue?

"Pure romance," Dr. Borza says. "He combines the instincts of a Macedonian warrior with those of a man thoroughly imbued with Greek culture. After all he was a pupil of Aristotle. Add to this the most amazing series of conquests in ancient history — he led his armies as far as India and back — and the fact that he died before he reached the age of 33, and you

have the stuff of legends. He's probably the most famous secular figure in the history of the world."

Dr. Borza is one of two consultants for the exhibition, which is also drawing on the expertise of an art historian who is an authority on ancient sculpture and minor arts. The Penn State professor's role is to provide wall texts describing the history, topography and archaeology of the Macedonian world, to develop maps and other visual displays, and to act as a

Renaissance benefit honors Eric Walker

Dr. Eric A. Walker, president emeritus of the University, will be honored at a banquet at Gatsby's in State College on Tuesday, Nov. 18.

The event will benefit Penn State's Renaissance Fund, which provides scholarship aid for "the brightest among the neediest students."

Renaissance Scholars receive \$750 per year as a supplement to earnings, savings, family aid, grants and loans. The fund aids some 100 students each year. In the last 10 years, the fund has provided more than \$450,000 to needy students.

Created during Dr. Walker's term as president, the fund seeks a rebirth of the Land-Grant ideal of providing educational opportunities for all who are qualified.

Previous Renaissance Fund dinners have honored former Mayors Jo Hays of State College, Dr. John H. Light of State College, and W.K. Ulerich of Clearfield.

The Nov. 18 banquet will begin with cocktails at Mr. C's at 6 p.m., followed by dinner at Gatsby's at 7 p.m.

Tickets cost \$15 for each person. Donations for the Renaissance Fund (which are not required to attend the event) may be made in the following categories:

Contributor, \$50, associate, \$100; patron, \$200; sponsor, \$500; angel, \$1,000.

Tickets may be obtained by calling Irv Kachel, 865-7661.

Penn Staters

Dr. Constantine K. Klorios, assistant professor of mathematics at the Shenango Valley Campus, is one of 18 participants in a research exchange program involving post-doctoral scientists from the United States and the Union of Soviet Socialist Republics. Dr. Klorios is conducting seminars for graduate students and faculty and doing research in algebraic number theory at the University of Vilnius in Lithuania this fall. The exchange program is sponsored by the National Academy of Sciences and its Soviet counterpart.

Dr. George Andrews, professor and interim chairman of mathematics, presented invited talks at Ohio State and John Carroll universities. At the former, he spoke on "Further Aspects of Ramanujan's Lost Notebook" and at the latter, on "Recent Implications of the Work of L.J. Rogers."

James K. Rathmell Jr., professor of floriculture extension, recently presented two invited lectures in England and Scotland. He spoke on "The Changing Scene in United States Floriculture" at The West of Scotland College of Agriculture in Ayr and at the Glasshouse Crops Research Institute in Littlehampton, England. His lectures described greenhouse energy conservation research projects at Penn State.

Abram P. Snyder, professor of community development, has been named winner of the Evelyn R. Saubel Faculty Award sponsored by the College of Human Development Alumni Society. The award is named for Mrs. Saubel of State College, a retired faculty member who has been deeply concerned for the welfare of her students. It includes a \$500 check.

Professor Snyder was chosen because of his commitment to the entire human service field and particularly to serving students. The selection was made by a committee of faculty members, alumni and students.

A Michigan native, who earned bachelor's and master's degrees at Michigan State University, Professor Snyder came to Penn State in 1970 after working in cooperative extension and as a community development specialist at his alma mater. He also served four years as an advisor to the government of West Pakistan.

Dr. Andrew Pytel, associate professor of engineering mechanics, is co-author with Ferdinand L. Singer, professor emeritus at New York University, of the third edition of the textbook, *Strength of Materials*, published by Harper & Row of New York.

The text, written entirely in SI units, is intended for the first course in strength of materials, which is required by many undergraduate engineering curricula. Because the book contains many practical engineering applications, it will also serve as a reference text for engineers in industry.

Appointments

William L. Boyd as professor of educational administration, B.S., U. of Tennessee; M.M., Northwestern U.; Ph.D., U. of Chicago. Formerly associate professor, U. of Rochester.

Robert C.S. Downs as professor of English, A.B., Harvard U.; M.F.A., U. of Iowa. Formerly associate professor, U. of Arizona.

Gordon P. Garmire as professor of astronomy, A.B., Harvard U.; Ph.D., Massachusetts Institute of Technology. Formerly professor, California Institute of Technology.

Harvey B. Manbeck as professor of agricultural engineering, B.S., M.S., PSU; Ph.D., Oklahoma State U. Formerly associate professor, U. of Georgia.

James S. Vrentas as professor of chemical engineering, B.S., U. of Illinois; M.S.,

Ph.D., U. of Delaware. Formerly professor, Illinois Institute of Technology.

Promotions

Staff Exempt

Leanne M. Czekaj to senior physical therapist at Hershey.
Florence S. Fulginiti to manager, Volunteer Services, at Hershey.
Janet L. Hunter to senior staff nurse at Hershey.

Staff Non-Exempt

Patricia L. Gingrich to instructional service specialist at Ogonz.

Clerical

Merrilee L. Barner to accounting clerk in Controller's Office.
Rhonda Frontz to clerk typist A in Arts and Architecture.

Patricia L. Harchak to secretary C in Liberal Arts.

Marie S. Hughes to senior office secretary in Student Administrative Services.

Carol L. Jones to secretary Bin Science.

Patricia McMullen to secretary Bin Health, Physical Education and Recreation.

Carol A. Watson to senior clerk in Libraries.

Tamara W. Werner to secretary Bin Continuing Education.

Linda S. Zeleznick to clerk typist A in Science.

Technical Service

Jack H. Phillips to janitorial worker at Delaware County.

Staff development

Twenty-five clerical employees have completed the University's six-week Clerical Enrichment program. They are:

Lois Annechinn-Moore, technical secretary C, IRP; Tracey Adams, clerk typist B, Personnel Administration; Kathy Bailey, accounting clerk, Science; Romayne Bernitt, secretary C, Science; Phyllis Bloom, clerk typist B, Mathematics; Phyllis Boone, clerk typist A, Liberal Arts; Vera Carson, clerk typist A, Earth and Mineral Sciences.

Linda Cartwright, publications clerk B, Education; Jo Ann Dreibeis, secretary C, Education; Bonnie Hand, records clerk A, Human Development; Glenda Kellogg, secretary C, Pattee; Marion Kent, clerk A, Pattee; Peggy Kresovich, secretary C, Education; Diane Lisko, clerk A, Public Information; Shirley Meek, clerk typist B, Agriculture.

Michelle Robison, clerk typist B, Education; Daisy Romig, file clerk B, Graduate School; Barbara Ruff, technical secretary C, ARL; Janelle Siegel, clerk A, Pattee; Tamela Thal, receptionist A, Education; Viola Walters, clerk typist B, Agriculture; Dana-Dell Whitbread, clerk A, Business Services; Cathy Whitten, data processing clerk A, Housing and Food Services; Marion Wilks, secretary C, IRP; Lisa Zettle, records clerk A, Registrar.

25-year chairs

Donald H. Ford, professor of human development, and Janice C. George, assistant professor of home management, have been awarded chairs for 25 years of service to Penn State.

Dr. Ford, who served as dean of the College of Human Development from 1967 to 1976, came to Pennsylvania from Kansas State University, where he had earned degrees in mathematics and psychology. His Ph.D. in psychology was granted by Penn State in 1956.

Dr. Ford served as supervisor of the Psychological Clinic, as assistant director and later director of the former Division of Counseling, and as director of both University Placement and the Office of International Students. He was also President Eric Walker's special assistant for federal affairs. Dr. Ford is presently professor of human development in the College's Individual and Family Studies program.



Top row, from left: Donald Ford, Ralph Seeley, Richard Zimmers, David Patterson. Bottom row, from left: James Rishell, Janice George, George Gurney, Harold Sargent.

Mrs. George came to Penn State from Malvern, Ark., as a graduate student in the former College of Home Economics and received her master's degree in home management studies. She was appointed to the faculty in 1955 and taught in the Department of Family Economics and Home Management. From 1960 to 1972 she also supervised the College's Home Management Houses, where students carried out practicum responsibilities.

Following the reorganization of the College into the College of Human Development, Mrs. George assumed responsibilities as coordinator of academic activities for the Individual and Family Studies program. In addition, she supervises the staff support system for this program.

The Applied Research Laboratory has presented 25-year awards to Ralph Seeley and George Gurney, both assistant professors of engineering research; David Patterson, senior designer of electromechanics; James H. Rishell, engineering aide; and Richard Zimmers, group leader mechanic.

When Mr. Seeley came to Penn State in November 1955, he expected to get his master's degree and move on. But his wife found the area so beautiful that they decided to set down their roots and 25 years later, Mr. Seeley doesn't regret the decision. He likes the "mix of rural living and center city sophistication."

At ARL, Mr. Seeley designs and evaluates electronic design systems for military programs. He holds a B.S. in electrical engineering from Duquesne University and received his M.S. in the same field in 1960 from Penn State. Electrical engineering, he says, is one of today's "most competitive fields" where everything changes so quickly that one is forced to continue learning. "The degree of sophistication rises daily."

A strong environmentalist, Mr. Seeley was one of the founding members in 1964 of the Land-Use Commission in Halfmoon Township, his home. He has also held positions on the Centre County Regional Planning Commission, including three years as its chairman.

Mr. Seeley loves to sail off the coast of Maine and is thinking of building his own 20' sailboat in a few years. He is also advisor to the Cross-Country Ski Division of the Penn State Outing Club.

After 25 years, George Gurney believes that working at Penn State is better than any job he could have had in industry. There is so much "more initiative here," he says. For example, he was able to design a bike pedal that measures the pressure put on it for the Biomechanics Lab., in addition to his regular job of designing force measuring balances for undersea ordnance systems in ARL.

Mr. Gurney started working at Penn State in August 1955 after earning his B.S. in mechanical engineering at the University of Illinois. When he decided to get his master's degree from Penn State, he assumed he would move into industry

upon graduation, but he, too, found State College so attractive that he decided to stay.

He and his wife, Virginia, have two children—Susan graduated from Penn State in theatre arts and David is a Penn State sophomore in engineering science.

In his spare time, Mr. Gurney likes to build and fly radio-controlled airplanes in the fields around Beaver Stadium.

David Patterson grew up and still lives in Milroy. Although he left Pennsylvania to serve as a draftsman in the U.S. Navy's Pacific Fleet during WWII, he returned to Penn State to get a B.S. in commerce and finance in 1951. He had two years of engineering classes before switching to his final major, and now he designs and develops undersea ordnance systems for the Navy.

Mr. Patterson and his wife, Grace, have four children, all of whom graduated from Penn State. "Being able to work for my children," he says, "has made my many years here enjoyable." He is a Notary Public and was a part-time Justice of the Peace in Arma Township for 18 years. To relax, Mr. Patterson enjoys coin and stamp collecting. He's a real Penn State football fan, too—he wears in the senior/grad section of Beaver Stadium—a job he has held for 20 years.

James H. Rishell graduated in the first class of the Altoona Campus. He came to University Park in 1955 after receiving an associate degree in electrical technology.

During his years at Penn State, Mr. Rishell has done quite a bit of traveling. He spent some months in Washington State and went off for a year's sabbatical to Key West, Florida. He has also gone to sea for the Lab.

Mr. Rishell lives in Julian RD with his wife, Fay, and their three children. He enjoys hunting and fishing and has been supervisor of the Centre County Regional Planning Commission.

Richard Zimmers started working for Penn State even before he had graduated from State College High School. He took part-time job in agricultural research until he earned his diploma, after which he became a full-time machinist.

Mr. Zimmer's wife, Linda, is a library assistant in the Architectural Reading Room. They have a daughter, Stacy, who swims for the Bellefonte YMCA swim team. The Zimmers enjoy going to Stacy's away-meets and camping in Central Pennsylvania and New Jersey.

"Painstaking accuracy" is essential in Wayne Kern's job, according to supervisor Irene Wernstedt. As a senior clerk, Serials Invoice in Pattee, he works with large columns of figures and operates a computer terminal updating accounts daily. "Mr. Kern does the invoicing for the 13,500 titles of periodicals and serials to which the Libraries subscribe," Ms. Wernstedt says, "and he corresponds with publishers and vendors all over the world."

Mr. Kern began his 25 years of

(Continued on page 3)

Arts Roundup

Soprano Suzanne Roy to present recital Nov. 3

Soprano Suzanne Roy, an assistant professor of music, will present her first recital of the season Monday, Nov. 3, at 8:30 p.m. in the Music Building Recital Hall.

Compositions by Franz Schubert, Hugo Wolf and Edvard Grieg, Claude Debussy and Bela Bartok comprise Professor Roy's program. She will be accompanied by pianist Steven Smith, an associate professor of music.

Professor Roy received her B.Mus. and M. Mus. from the University of Michigan and her Ph.D. in musical arts from the University of Wisconsin at Madison.

Ossie Davis, Ruby Dee to perform in Schwab

Actors Ossie Davis and Ruby Dee will bring their theatrical production

"Inside/Out" to Schwab Auditorium on Friday, Nov. 7, at 8:30 p.m., as part of the Artists Series Drama Series.

Miss Dee, most recently seen on television in "Roots: The Next Generation" and in Maya Angelou's "I Know Why the Caged Bird Sings," also has among her many credits the films *A Raisin in the Sun* and *Buck and the Preacher*, the television film *To Be Young, Gifted, and Black*, and the plays *Anna Lucasta* and *Purlie Victorious*, in which she starred. She won an Obie for her role in the play *Boesman and Lena* and a Drama Desk Award for *Wedding Band*.

Ossie Davis's most recent credits include "Roots: The Next Generation" and the motion picture *Hot Stuff* with Dom DeLuise. His numerous stage appearances include *A Raisin in the Sun* and *Anna Lucasta*. He has been seen in many television shows and motion pictures and has directed films, including *Cotton Comes to Harlem* and *Black Girl*. Mr. Davis won an Emmy nomination for his role in *A Piece of the Cake* King.

He is a native of Georgia and attended Howard University.

Married for 32 years, Ossie Davis and Ruby Dee have three children. "Inside/Out" grew out of reading and research they did to share the black experience with their children. The program includes their presentations of African folk tales, slave stories and modern works by writers such as Frederick Douglass, Gwendolyn Brooks, Nikki Giovanni, Ralph Ellison, Robert Frost and Edna St. Vincent Millay.

Tickets to "Inside/Out," as well as to the concert by the Minnesota Orchestra with Neville Marriner conducting, Uta Hagen in "Charlotte," a monodrama based on a play by Peter Hacks, and the Broadway hit musical *Ain't Misbehavin'* will be available at the Eisenhower Auditorium box office from 9 a.m. to 4 p.m. during the Artists Series Election Day sale, beginning Nov. 4. Phone orders will be accepted at 863-0255 on MasterCard and Visa Nov. 5, 6 and 7 only.



Detail from a 16th century Italian hanging.

Medieval embroidery exhibit at Museum

The basic form of the needle has not changed since antiquity, but the uses to which it has been put over the centuries sometimes reach the status of fine art — a thesis the current exhibit at the University's Museum of Art seeks to demonstrate.

Many medieval embroideries, as well as a large number of Renaissance and Baroque pieces, fit current definitions of fine art, according to Dr. Olga Preisner, curator of both the Museum and the current exhibition. "The products of individual masters, these embroideries express cultural and religious ideas," she explains. "They also contain indigenous elements of design and demonstrate highly skilled craftsmanship."

Dr. Preisner points to a Tuscan work from the latter part of the 14th century, lent by the Metropolitan Museum of Art for the show. The monumental piece shows St. Francis receiving the stigmata.

"The architecture of the panel seems to have been influenced by Giotto," Dr. Preisner notes, "and the stitches almost resemble brush strokes. From a distance, it looks like a painting."

Medieval artists often remained

anonymous, and the names of individual embroiderers are unknown. In some cases, the design for an embroidery may have been prepared by a painter while the actual stitching was executed by an embroiderer, who was a member of the same craftsmen's guild.

The earliest — and perhaps the finest — piece in the Museum's cases is an Italian pouch (or forel) of the 14th century, also lent by the Metropolitan. Embroidered in silk and metal thread, the pouch shows scenes from the story of Griselda. Another early work, this one from the first half of the 15th century, is a chasuble from Bohemia, lent by the Cloisters.

The embroiderers of 17th century England are the group best represented in the exhibit; a number of their pieces are from the Museum of Art's permanent collection. "Although most of these works are utilitarian objects," Dr. Preisner says, "they were done with skill and imagination. During this period, the English remained aloof from European influences, but their ladies were poets in space."

Among the examples at the Museum is a striking 18th century Parliament Bag, which was carried by the Lord Chancellor at the opening of Parliament. The bag is decorated with the royal seal and edged with the heads of eight cherubim. It was sent by the Cleveland Museum of Art.

One of the most engaging pieces in the exhibit goes by the unappealing name of "stumpwork." This embroidery, also from Cleveland, frames a mirror, and the figures — a happy couple shown in several scenes and a series of mythical animals — are raised from the surface with padding, rather like a high relief.

Still another piece, again from Cleveland, is an all-over design embroidered in early 17th century England. Garden flowers, snails and butterflies emerge in gleaming pastel silks, arranged neatly in rows.

From the period of Charles I, there is a petit point hanging with six panels, some depicting Biblical scenes — although the characters are portrayed in the dress of the court (Cleveland).

Other exhibits include several

embroidered French skirts of the 18th century, lent by Elinor Merrell, and two charming 18th century American landscapes and a pastoral scene from the landscaper and a pastoral scene from the landscaper du Pont Winterthur Museum and the Boston Museum of Fine Arts. Similar treatment of the foreground, conceived as a series of waves in these scenes, suggests that the embroiderers may have been influenced by some sort of pattern book, according to Dr. Preisner.

The show also contains two samplers, and domestic items such as chair seats, tablecloths, and bedspreads, several lent by local collectors.

While lists of stitches can be found in Roman manuscripts and many Coptic fabrics of the 5th to 8th centuries survive, the earliest European examples date from the Carolingian period. At this time and during the Ottonian and Romanesque eras, the typical embroiderer was a monk or a nun. Dr. Preisner says, Guild centers developed during the Gothic period. Monastic workshops produced items for ecclesiastical wear and for use in religious ceremonies. At the same time, court ladies were stitching splendid ceremonial items for the use of secular lords. Gradually, during the Renaissance, embroidery came into domestic use.

As for materials, wool was employed in the earliest embroidery; later linen and then cotton came into use. Silk was known in Europe in the 6th century, but it was another 600 years before it was widely available.

"The Art of the Needle" can be viewed at the Museum now and until Dec. 21.

Symphonic Wind Ensemble to perform 20th century works

A variety of 20th century works have been selected for the Penn State Symphonic Wind Ensemble's first concert of the season at 8:30 p.m. Wednesday, Nov. 5, in the Music Building Recital Hall.

Selections range from Dmitri Shostakovich's "The Festive Overture" to "Summer in Valley City," a recent composition by Ross Lee Finney of the University of Michigan. The four-movement piece was written about the composer's experiences and musical life in his home town in North Dakota.

Compositions by William Schuman and Gustav Holst and Vittorio Giannini's Third Symphony will be performed also by the group, which is conducted by Smith Toulson, an associate professor of music.

Third annual Blue Bandorama set for Eisenhower Auditorium

The third annual "Blue Bandorama" will be held Saturday, Nov. 1, at 8 p.m. in Eisenhower Auditorium. The concert is one of the events selected to commemorate the University's 125th anniversary.

Performing on the program will be the Marching Blue Band, the Jazz Blue Band and the Symphonic Blue Band. Auxiliary units of the marching band — including the majorettes, the flag line and Blue Sapphire Horn Bowers, the feature twirler — will appear, along with band trumpeters and the H-Los.

The bands will play show music, school songs, marches, light concert selections and some Jazz. Admission is \$1, to be collected at the door.

Dr. Ned C. Diehl, professor of music education, conducts the bands.

Organ recital Oct. 31

The first in a series of three organ recitals by music alumni will be presented by David Billings at 8:30 p.m. Friday, Oct. 31, in the Music Building Recital Hall.

A graduate of the University with a B.Mus. degree, Mr. Billings earned his master's degree at the Eastman School of Music. He is now working on his doctorate at Eastman while serving as organist and choirmaster of St. Mark's and St. John's Episcopal Church in Rochester.



Ruby Dee and Ossie Davis

University Park Calendar

Oct. 30 —
Nov. 9

Special Events

Thursday, Oct. 30

Kern/WPSA-TV. Cosmos series. "Blues for a Red Planet." noon. Kern Lobby.
Charles Freeman, U.S. Dept. of State, 11:15 a.m., Room 69 Willard, on "U.S. Policy Toward China."

Cinematheque. *The Abominable Dr. Phibes*, 7 and 9 p.m., HUB Assembly Hall.

Major Powers in Asia Symposium, 7:30 p.m., Room 112 Kern. Charles W. Freeman, U.S. Dept. of State, Victor Trifonov, USSR Embassy, Washington; Stanley Kochanek, political science, and Paris Chang, political science, moderator.

English Colloquium, 8 p.m., Room 101 Kern. Ann Beattie, novelist, reads from her works.

Interdepartment lecture, 8 p.m., Room 105 Forum. Alan Gowans, Univ. of Victoria, British Columbia, on "Learning to Look: The Three Traditions of Art History."

Sponsored by Geography, Architecture, Art History, Landscape Architecture and IAHS. Linguistics/Slavic Languages Lecture, 8 p.m., Room 251 Willard. Henry Hoeningwald, Univ. of Pa., on "American and European Linguistics."

Penn State Theatians, Comden and Green, *Bells Are Ringing*, 8 p.m., Schwab.

Robeson Center lecture, 8 p.m., Walnut Bldg. Jacquelyn J. Jackson, medical sociology, Duke Univ., on "Black Women — Still, Where Are the Men?"

URTC, *Gebari*, adapted from *Volpone*, Sly Fox, 8 p.m., The Playhouse.

Friday, Oct. 31

Last day to sign Fall Term NDSU and University Long Term Leases, Room 108 Shields.

Sports: j.v. football vs. SUNY/Binghamton College, 2 p.m., soccer vs. Wesley/Binghamton, 7:15 p.m.

Geography Dept. Coffee Hour, 3:45 p.m., Room 101 Walker. Alan Gowans, Univ. of Victoria, B.C., on "Banks as Metaphors of American Cultural Values."

Ag. Student Council, Ag. Hill Festival, dinner, 5:30-7 p.m., Terrace Room; social, 7:30 p.m., HUB Ballroom.

CSA, Halloween Party, 6 p.m., Kern Lobby. SFO film, *Neame, The Odessa File*, 6:30 and 9 p.m., HUB Assembly Hall.

Commonsplace Theatre, *Wait Until Dark*, 7 and 9 p.m., Room 112 Kern.

Penn State Theatians, *Bells Are Ringing*, 8 p.m., Schwab.

URTC, *Sly Fox*, 8 p.m., The Playhouse. David Billings, music alumnus, organ recital, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, Nov. 1

Sports: cross country (men), Coaches Championships, 10:30 a.m., football vs. Miami, Fla. 1:30 p.m.

France Cinema, *Suette, A Simple Story*, 7 and 9 p.m., Room 112 Kern.

CSA film, *The Parallax View*, 7 and 9 p.m., Room 10 Sparks.

Penn State Blue Bands in concert, "Blue Bandorama. Ned Deith, conductor, 8 p.m., Eisenhower Auditorium.

Penn State Theatians, *Bells Are Ringing*, 8 p.m., Schwab.

URTC, *Sly Fox*, 8 p.m., The Playhouse.

Sunday, Nov. 2

University Chapel Service, 11 a.m., Eisenhower Chapel. The Rev. Stina Anderson, grad. student, religious studies, speaker.

Sports: field hockey vs. West Chester, 2 p.m., Commonsplace Theatre, *Wait Until Dark*, 7 and 9 p.m., Room 112 Kern.

CSA film, *The Parallax View*, 7 and 9 p.m., Room 10 Sparks.

Monday, Nov. 3

Last drop deadline. Last date for prospective graduate students to submit completed application materials for admission to Winter Term 1981 or to apply for permission to resume study in Winter Term 1981.

Alard String Quartet recital, 12:45 p.m., Room 112 Kern.

FSHA Cafeteria, 5:15-6:15 p.m., Maple Room. *Halloween. Also Nov. 4.* No reservations needed.

France Cinema, *A Simple Story*, 7 and 9 p.m., Room 112 Kern.

Black Studies Film, *Xala*, 7:30 p.m., Walnut Bldg.



Interdisciplinary Symposium on Value, 8 p.m., Room 101 Kern. Ralph Condee, English, speaker.

Archaeological Institute of America slide lecture, 8 p.m., Room 111 Forum. David Price Williams, Univ. of Botswana and Swaziland, on "Early Man in Africa." Suzanne Roy, soprano, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, Nov. 4

Comp. Lit. Luncheon, 12:15-1:15 p.m., Room 204 HUB. John D.C. Buck, English, on "Newberry's Children's Literature and Patent Medicines."

Comp. Lit. Film Series, *Zetterling, The Girls*, 7 and 9 p.m., Room 112 Kern.

Sports: volleyball (women) vs. Pittsburgh, 7 p.m., soccer vs. Lehigh, 7:15 p.m.

Artists Series film, *Babushka Belli, Anna Karenina*, 8 p.m., Eisenhower Auditorium.

URTC, *Sly Fox*, 8 p.m., The Playhouse.

Wednesday, Nov. 5

Faculty Women's Club, brown bag lunch/panel discussion, 11:45 a.m., Faculty Bldg. Ann Shu and Munja Banarjee, international students, on "Role and Status of Women in Taiwan and India."

Interlinda, folkdance performance, noon, Kern Lobby.

Alard String Quartet recital, 12:45 p.m., Room 112 Kern.

Black Film Series, *Gone Are the Days*, 7:30 p.m., Robeson Center.

French Dept. lecture, 7:30 p.m., Room 305 HUB. Jean-Pierre Desclaux, Univ. of Paris VII, on "L'Organisation du langage humain: apprehender à travers les langues naturelles."

* 7:30 p.m., Room 112 Kern.

URTC, *Sly Fox*, 8 p.m., The Playhouse.

Yachad lecture, 8 p.m., Room 111 Bouckie Y. Rainati, foreign affairs committee. I Am, on "Middle East Update."

Thursday, Nov. 6

Board of Trustees meeting, Keller Bldg. Kern/WPSA-TV. Cosmos series. "Traveller's Tales," noon. Kern Lobby.

ASEE lecture, 12:30 p.m., Room 101 Kern. William S. Adams, electrical engineering, on "An Overview of Interactive Computing at Penn State."

FSHA 410. Polysemin dinner, Maple Room. Henderson Reservations, 865-1736, 8 a.m.-5 p.m.

Cinematheque, *Last Tango in Paris*, 6:30 and 9 p.m., HUB Assembly Hall.

University Readers, *Socrates Wounded*, 7:30 p.m., Room 112 Kern.

URTC, *Sly Fox*, 8 p.m., The Playhouse.

Friday, Nov. 7
Board of Trustees meeting, Keller Bldg. Sports: j.v. football vs. Fork Union Military Academy, 2 p.m.

Geography Dept. Coffee Hour, 3:45 p.m., Room 310 Walker. Peter Fletcher, forestry emeritus, on "The Forests of Pennsylvania."

CSA film, *Ryans Daughter*, 6 and 9 p.m., Room 10 Sparks.

Commonsplace Theatre, *Moby Dick*, 7 and 9 p.m., Room 112 Kern.

SFO film, *Mare Bos*, in Monkey Business, 7 and 9 p.m., HUB Assembly Hall.

URTC, *Sly Fox*, 8 p.m., The Playhouse. Artists Series, Ossie Davis and Ruby Dee in *Inside/Out*, 8:30 p.m., Schwab.

Saturday, Nov. 8

Sports: football vs. North Carolina State, 1:30 p.m.

CSA film, *Ryans Daughter*, 6 and 9 p.m., Room 10 Sparks.

France Cinema, *Varde, Le Bonheur*, 7 and 9 p.m., Room 112 Kern.

Interlinda, folkdance performance and teaching, 8 p.m., Room 102 Kern.

URTC, *Sly Fox*, 8 p.m., The Playhouse.

Sunday, Nov. 9
University Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Gerald Stump, Episcopal Ministry, PSU, speaker.

Commonsplace Theatre, *Moby Dick*, 7 and 9 p.m., Room 112 Kern.

Seminars

Thursday, Oct. 30

Aesthetics, Criticism and Interpretation Theory Group, Robert Ackerman on "Deconstruction and Criticism," 4 p.m.

Glipin Room, Nittany Lion Inn (new listing).

Ecology, Barry Shetz, MRL, on "Nuclear Waste Management: An Overview," 4 p.m., Room 8 Mueller Lab (new listing).

Philosophy, Dale Evans, philosophy, DuBois, on "Plato: Neither Early nor Middle nor Late," 4 p.m., Room 101 Kern (new listing).

Friday, Oct. 31

Analytical Chemistry, A.F. Fideis, National Science Foundation, on "Chemistry — A Piece of the Pie," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Norman L. Duquesne, Univ., on "Molecular Interactions in Coal-Derived Liquids," 2:30 p.m., Room 333 Whitmore.

Monday, Nov. 3

Plant Pathology, Rosemary Schraer, biochemistry and assl. provost, on "The Biochemistry and Physiology of Administration: An Interpretation of a Metaphor," 3:35 p.m., Room 213 Buckhout.

MCB, Stephen Roth, Univ. of Pa., on "The Cell Surface in Disease," 4 p.m., Room 101 Althouse.

Tuesday, Nov. 4

MCB, Stephen Roth, Univ. of Pa., on "The Role of Cell Surface Glycosyl Transferases in Morphogenesis and Malignancy," 11 a.m., Room 101 Althouse.

Wittgenstein's Vienna, Sabel Knight, history, on "Freud in the City of Dreams," 3:30 p.m., Room 319 Walker.

Man-Environment Relations, Alastair Fraser, meteorology, on "The Mirage, the Green Flash and Theological Optics," 3:45 p.m., Room S-131 Henderson.

Microcomputer Users meeting, 7:30 p.m., Room 189 MRL.

Thursday, Nov. 6

Chemistry, Rold Hoffman, Cornell Univ., on "The Bonding Capabilities of Transition

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Metal Carbonyl Fragments," 12:45 p.m., Room 333 Whitmore.

Art Pollution Control, Archie J. McDonnell, civil engineering and Water Resources Research Center, on "Fate of Pollutants in Aquatic Systems," 2:20 p.m., Room 69 Willard.

Geosciences, Barry Voight, geosciences, on "Mt. St. Helens: Volcanism and Related Geologic Activity," 3:45 p.m., Room 112 Walker.

Microbiology, Patricia Fields, grad. student, on "Inducible DNA Repair and Mutagenesis in *Bacillus subtilis*," 3:55 p.m., Room S-2 Frear.

Fuel Science, A.G. Comelli, Hydrocarbon Research, on "Recent Developments and Status of the H-CO Process," 4 p.m., Room 301 Steidle.

Acoustics, Samuel F. Lyberger, formerly president and chief engineer, Radioear Corp., 4 p.m., Room 73 Willard.

Friday, Nov. 7

Analytical Chemistry, David Suits, grad. student, on "Analytical Chemistry of Sulfur: Predictive and Experimental Aspects," 11:10 a.m., Room 333 Whitmore.

Biology, Richard Mark, Australian National Univ., Canberra, on "Growth and Reorganization of Retino-tectal Connections in Fish," 11:10 a.m., Room 211 East Human Development.

Physical Chemistry, Douglas Ridge, Univ. of Delaware, on "Organometallic Chemistry in the Gas Phase: Ion Cyclotron Resonance Investigations," 2:30 p.m., Room 333 Whitmore.

Exhibits

HUB: Richard L. Crowley, Sr., color photographs and clocks, "30 Years of Political Campaigns," campaign buttons and memorabilia from the private collection of Ernie Weidhaas; LaVie and Penn State Room homecoming exhibits, through Oct. 31.

Art Alley, Mary Cady Rubinstein, recent prints. The Browsing Gallery, Lanny Sommes, color photographs; Ron Gallas, ceramic sculpture. The Gallery.

Kern Gallery: Ann Hettmansperger and Cora E. Lucas, ceramics and poetry, through Oct. 31. "First of Ten," group exhibit; Ann Dering, ceramics, opens Nov. 4, David Welland, wooden boxes, opens Nov. 6.

Museum of Art: European paintings, contemporary prints and 18th to 20th century American works from the permanent collection; The Art of the Needle

Pattee Library: Founding a University: The Pennsylvania State University's 125th Anniversary, through Oct. 31; photography by Marc Levey and his students, opens Nov. 1.

East Corridor Gallery: Photographs by Cheryl Veach, through Nov. 5. Lending Services lobby: Graphic works by Richard Rutkowski, through Nov. 7. Main Lobby: Joseph Rubin, The Bald Eagle Press and memorabilia, through Nov. 1. Rare Books Room.

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(Continued from page 2)

employment with the University in Housing and Food Services in 1955. Then he served several years in the U.S. Air Force and returned to Housing and Food Services in 1961. He joined the staff of Pattee in 1968 as a receiving room clerk, his duties involving receiving and distributing books for the Commonwealth Campuses. He later became a clerk A in Periodicals and was promoted to his present position in 1970.

During his off-duty hours, Mr. Kern enjoys sports, particularly keeping up with Penn State football, the Steelers and the Pirates. He also likes to read and does crafts.

Mr. Kern and his wife, Molly, have two children — one son, one daughter. The Kern family presently reside in Centre Hall.

Retirements

Dr. Harold R. Sargent, director of the Shenango Valley Campus since 1967, is retiring Nov. 1.

A native of Union City, Pa., Dr. Sargent is a 1950 graduate of Edinboro State College. He received an M.S. degree from the University of Pittsburgh in 1958 and a doctorate in education from Penn State in 1965.

Prior to his appointment as director, Dr. Sargent served for two years as assistant director at the Campus. Earlier, he was an administrative assistant in the College of Engineering and a graduate assistant with the Educational Services office.

A veteran of World War II, he served in the American Division in the Philippines and received the Purple Heart.

Under his directorship, the Shenango Valley Campus has grown from 85 to more than 900 students. It has made a number of additions to its physical plant, including a new science building and laboratory.

Dr. Sargent has been active in numerous civic organizations, including the Rotary Club, Century Club, United Way and Newcomen Society.

He has served on the Executive Board of the Southwest Pennsylvania Higher Educational Council, as president of the Pennsylvania Association of Two-Year Colleges, and as chairman of the Council of Commonwealth Campus Directors.

Robert E. Tomm will retire from his position as assistant director for Continuing Education at the Shenango Valley Campus on Oct. 31. Mr. Tomm joined the University's staff on Sept. 1, 1963, and has been at the Campus since that time in 1965.

Mr. Tomm holds a bachelor's degree *sum laude* from the University of Pittsburgh and received a master's degree in sociology of education from the same institution in 1971.

He is a member of Alpha Kappa Delta, national honorary sociology fraternity. He also active in a wide range of community activities and is currently chairman of the Sharon General Hospital Home Health Agency Advisory Committee.

Obituary

Dr. Robert A. Conover, an associate professor of engineering at Capitol Campus, died Oct. 22 at the age of 54.

Dr. Conover earned his B.E.E. at Tennessee Polytechnic Institute, his M.S. at Princeton University, and his Ph.D. at Princeton University. Prior to coming to Capitol in 1968, he had worked in industry and as an assistant professor of mechanical engineering at Lafayette College. His major research interests were in the areas of thermodynamics and fluid mechanics, and he served terms as acting chairman and chairman of Capitol's graduate programs in engineering.

Affirmative Action for Vietnam/Disabled Veterans

The University is a government contractor subject to Section 402 of the Vietnam Era Veterans Readjustment Assistance Act of 1974, as amended, which requires government contractors to take affirmative action to employ and advance in employment qualified disabled veterans and veterans of the Vietnam era.

A "disabled veteran" is a person entitled to disability compensation under laws administered by the Veterans Administration for disability rated at 30 per centum or more, or a person whose discharge or release from active duty was for a disability incurred or aggravated in the line of duty.

If you are a disabled veteran covered by this definition and would like to be considered under the affirmative action program, please contact the Affirmative Action Office (863-0471/433-0471). The information requested is voluntary and will not be used to adversely affect the terms and conditions of your employment. It will be kept confidential, except that (1) supervisors and managers may be informed regarding restrictions on work duties and necessary accommodations, and (2) first aid personnel may be informed, when and to the extent appropriate, if the condition might require emergency treatment.

Affirmative Action for the Handicapped

The Pennsylvania State University is a government contractor subject to Section 503 of the Rehabilitation Act of 1973, which requires government contractors to take affirmative action to employ and advance in employment qualified handicapped individuals.

If you have a physical or mental impairment, a record of having had such an impairment, or are regarded as having an impairment that substantially limits your ability to secure, retain or advance in employment, we would like to include you under the Affirmative Action Compliance Program.

It will assist us in proper placement and appropriate accommodations if you tell us about (a) any special methods, skills, or procedures which qualify you for jobs that you might not otherwise be able to do because of your handicap, so that you may be considered for any positions of that kind, and (b) possible accommodations which could be made which would enable you to perform the job properly and safely.

Submission of this information is voluntary and refusal to provide it will not subject you to discharge or disciplinary treatment. Information obtained concerning individuals shall be kept confidential, except that (1) supervisors and managers may be informed regarding restrictions on the work duties of handicapped individuals, and regarding necessary accommodations, (2) first aid and safety personnel may be informed, when and to the extent appropriate, if the condition might require emergency treatment, and (3) government officials investigating compliance with the Act shall be informed.

The Affirmative Action Office is responsible for the coordination of compliance with the requirements of Section 503. If you are a handicapped individual and would like to be considered under the affirmative action program, please contact the Affirmative Action Office (863-0471/433-0471).

Alexander

(Continued from page 1)

general consultant on matters relating to Alexander and the Macedonians.

"Carter Brown, the director of the National Gallery, and his staff are determined to make this show an intellectual as well as an aesthetic event," Dr. Borza points out. "The opening will be preceded by a two-day international symposium on Macedonia and Greece in the Late Fourth Century B.C." Scholars from around the world have agreed to conduct sessions on architecture, painting and sculpture, the decorative arts and the history of the period.

Dr. Borza has been asked to organize and chair the symposium on history, and he will also present a paper, "The History and Archaeology of Macedonia: Retrospect and Prospect."

Because the National Gallery expects the wall texts for the show to be more comprehensive than those in any previous exhibit it has sponsored, their preparation presents Dr. Borza with certain challenges. He explains,

"The public will see a vast array of objects, many of them seemingly unrelated, so my job is to tell viewers what they really mean."

"The show, for example, contains a great deal of gold. The gold has implications, as a raw material, in terms of the wars, politics and trade of the time."

"But the gold was also fashioned into extraordinarily beautiful objects, and the high level of craftsmanship says something about the artistic standards of Macedonian culture. Again, some of the golden objects had ritual uses, providing us with insights into the people's religion."

"The National Gallery's curators tell me that the modern philosophy in exhibitions is not to weight people down with reams of printed materials. An exhibition is supposed to be self-explanatory, and consequently they rely heavily on wall texts."

Still another challenge to Dr. Borza's skills arises from the fact that this is the first time the Greek government has ever permitted any items from its national heritage to leave Greece for any reason.

"The Greeks are eager to emphasize the Hellenism of the Macedonians, to make Alexander as Greek as possible," Dr. Borza comments. "But in antiquity, the Greeks and the Macedonians fought against each other tooth and nail. The Greeks regarded the Macedonians as barbarians. The problem I have to resolve in preparing the wall texts is how to maintain the historical integrity of the exhibition without offending the Greek government."

One of the highlights of the exhibition is a series of objects from a tomb found in the village of Vergina. Its discoverer, Professor Andronikos, believes the tomb is that of Philip, father of Alexander and himself a mighty conqueror.

"The arrangement of the materials suggests that the burial may indeed have been Philip's," Dr. Borza says, "but there is architectural evidence to the contrary. Clearly, it is a late fourth century Macedonian royal tomb, and we know of only a few Macedonian royal personages who could have been buried there, so the finds are extremely important. Let's say I'm about 40 percent convinced that the tomb belongs to Philip, but a great deal more work remains to be done before anyone can be certain."

One of the items in the tomb was an ivory miniature, which Dr. Andronikos thinks is a representation of Alexander, made from life.

What did Alexander look like? "Rather like a young Paul Newman," Dr. Borza says smiling. "But all the portraits that we have are from a slightly later period and are highly idealized. They all look alike, leading historians to conclude that a contemporary fixed portrait existed from which these were copied. We also have literary references with descriptions of his countenance."

In addition to his study of ancient sources, Dr. Borza has been concerned with the historiography of modern Alexander

scholarship and its reflection of the predilections of the scholars themselves.

Nineteenth century German historians saw Philip and Alexander as a Bismarck," Dr. Borza reports. "They took a fractured country, welded it together and went forth to spread a higher culture throughout the world."

"On the other hand, some British historians of the period wrote about Alexander as if he had sprung from the works of Rudyard Kipling. He was transformed into a Victorian gentleman, sporting, honest and decent, who tried to bring a higher culture to his less fortunate Asian brothers."

But after a number of years spent in intensive study of historical sources, Dr. Borza found that personally he had come to a dead end.

"There is only so much to be wrung out of the few existing literary sources," he explains. "I decided to shift my focus to the Macedonian background which produced Alexander, and this has meant adopting a more interdisciplinary approach. I've had to learn something about topography, archaeology, physical anthropology and even paleoepidemiology."

Research into the latter field has resulted in an about-to-be published treatise by Dr. Borza on malaria in ancient Macedonia.

"The country was swampy, and malaria was a crippling disease in antiquity," he notes. "Even at the beginning of this century, it was the third leading cause of death in Greece, and we have an ecological parallel between the fourth century B.C. and 20th century A.D."

Archaeologically, according to Dr. Borza, Macedonia is still a treasure house. Most of the digging into the past has been done in southern Greece, in the more accessible, more tourist-oriented areas. The tumultus containing "Philip's tomb" for example, had been standing in plain view for centuries.

"The Aegean has always been considered the 'cradle of civilization,'" Dr. Borza points out, "but now we are beginning to look to the Balkans, rich in land and resources, for evidence of an earlier high culture. It was only later, with the development of a maritime technology, that the poorer Greek cities began to develop as the result of their contacts with each other and with the Near East. Macedonia was the transition between the Balkans and Greece proper."

"I hypothesize that Macedon may well have been Europe's first national state. Through a period of about four centuries and many kings, its people regarded themselves as a nation. The Romans treated it as such. Macedonian history has been obscured, largely because the exploits of Philip and Alexander were so dazzling."

"This exhibit is giving me the chance as an historian to speak to a much larger audience than I could ever reach through my writing and teaching about the Macedonian world, so I feel very fortunate."

"As for Alexander, I don't believe the 'search' for him will ever end. Each age will interpret him according to its own needs — because that's what we do with our legends."

Funding Sources

For further information, call 865-1372

(348-1) The National Science Foundation has announced some key programs with upcoming submission times: (1) Research Program in International Economic Policy, Dr. Rolf Polakatz 202-357-9800; (2) New Cellular Physiology Program, Dr. Norman Cohen, 202-357-7905; (3) Coordinated Experimental Computer Research, Dr. W. Richard Adkins, 202-357-7272; (4) Development and Research in Science Education, Dr. Rita Peterson, 202-282-7743; (5) Women in Science Program, deadline Jan. 8, 1981, Ms. Joan Callanan, 202-282-7150; and (6) Cooperative Science Programs, Belgium, 202-357-7254; Latin American and the Caribbean, 202-357-9543; France, 202-357-7554; and Korea, 202-357-9573. (Ref. NSF Bulletin, October 1980)

News in Brief

Development program sponsored by three Campuses

"The Emerging Woman Manager," an innovative two-week professional development program for women in business and industry, has been created at Penn State.

The program, which is geared to fill the specific career needs often expressed by women, is a joint venture of Continuing Education at Penn State's Beaver, McKeesport and New Kensington Campuses.

"Because of different male/female socialization patterns, women come to the managerial role with perceptions and attitudes on how to function that are different from those of their male colleagues," says Edward Donovan, area representative at the Beaver Campus.

"In the male-dominated business world, these can be roadblocks to effectiveness," Mr. Donovan continues. "At the request of women, as well as of business and industry, we've devised this program, which is one of the first of its kind."

The program's focus is on women in entry-level positions in business or industry, who have less than five years of supervision/management experience. While emphasizing the functional and interpersonal skills needed in management, it also addresses obstacles to advancement that may exist in the minds of women, or of those with whom they deal.

In-depth training in the fundamentals of managerial finance, accounting, interpersonal skills and administrative knowledge essential to upwardly-mobile managers is provided.

A residential program, the EWM training occupies two one-week sessions. The first was held Oct. 19-24, and a second is scheduled for Feb. 1-6, both at the Seven Springs Conference Center in Champion, Pa. The break allows participants to try out their newly learned skills and report on successes or problems they may have encountered.

Joan Wiener, a doctoral candidate at the University, is academic coordinator of the seminars, along with Shirley Hendrick, academic coordinator for Continuing Education in the College of Business Administration.

Continuing Education administration was handled by Mr. Donovan and Frances Jordan, area representative at the McKeesport Campus. Beaver Campus Assistant Director for University Relations Sandra M. Veitch coordinated the nationwide promotion.

Hershey Department cited by Humanities Commission

The Department of Humanities in the College of Medicine at Hershey has been singled out for praise in the recently published "The Humanities in American Life."

The publication, resulting from deliberations by the Commission on Humanities, is sponsored by the Rockefeller Foundation.

Citing programs which enable students to combine their professional training with serious study of the humanities, social sciences and other disciplines, the Commission points out the National Endowment for the Humanities provided substantial support for the development of the Department of Humanities.

"Since the College opened its doors in 1967," the publication notes, "the department has offered seminars combining literature, philosophy, religion, and political science with medical students' clinical studies. A course called 'Dying, Death, and Grief' includes fiction, biography, religious literature, clinical material, and interviews with dying patients."

According to the Commission, the continued development of a role for the humanities in graduate education for the

professions will require the involvement of individual humanists and their departments.

"Humanists should give more consideration to how their disciplines overlap with the professions; faculty and the administrators who determine incentives should regard professional education as a legitimate extension of the capabilities of departments in the humanities."

Richard W. Lyman, new president of the Rockefeller Foundation, served as chairman of the 32-member prestigious commission which included the presidents of Yale, Chicago and Tulane Universities and of Smith College.

E & MS publication celebrates 50th year

While the University continues to observe its 125th anniversary, the College of Earth and Mineral Sciences is recognizing a milestone of its own.

"Earth and Mineral Sciences," a bi-monthly bulletin issued by the College, is beginning its 50th year. Initially titled "Mineral Industries," the publication was inaugurated in October 1931 by Edward Steidle, dean of what was then the School of Mineral Industries.

In observance of both the bulletin's 50th year and the University's 125th anniversary, the September/October issue — number 1 of volume 50 — features a brief history of the College compiled by editor Mary Neilly, and an article on Dean Steidle's philosophy of mineral industries education written by Dr. E. W. Miller, professor emeritus of geography and associate dean for resident instruction emeritus in the College. Dr. Miller served under Dean Steidle from the time he joined the faculty in 1945 until the Dean's retirement in 1953.

More than 8,000 copies of each issue of the bulletin are currently being sent to alumni of the college and other interested individuals, companies, libraries, universities, and government agencies all over the world who have asked to be on its mailing list.

Usually, each issue carries three articles written by College faculty members, as well as general news about the College and the faculty. It is estimated that the faculty have contributed about 600 articles to the bulletin over the past half century.

Dr. Robert Stefanko, associate dean for continuing education in the College, is the bulletin's editorial director, overseeing the budget and editorial policy.

Archaeologist to discuss early man in Africa

"Early Man in Africa" will be the topic of Dr. David Price Williams, a research fellow of the University of Botswana and Swaziland, in a public talk Monday, Nov. 3, at 8 p.m. in Room 111 Forum Building. His lecture is sponsored by the Central Pennsylvania Society of the Archaeological Institute of America.

Dr. Williams has been investigating the entire range of human prehistory in Africa, where new data are changing previously held theories on human evolution. He will bring with him a number of artifacts from his excavations, and the audience will have an opportunity to study them.

Ice Hockey Team needs away-game help

The Penn State Ice Hockey Team needs interested faculty or staff members who would be willing to assist on away-trips during the next two months. In November, for example, the team will play Army at West Point and make two trips to New York State. All expenses will be met by the Ice Hockey Team, and some remuneration would be involved.

Volunteers please contact Bob Arturo, 238-8884, or Jim Pollock, 234-1575.

Visiting professor to speak

Jean-Pierre Descles, visiting professor of French, will present a lecture entitled "L'Organisation du langage humain appréhendée à travers les langues naturelles" in Room 305 HUB on Wednesday, Nov. 5, at 7:30 p.m.

The lecture is sponsored by the Department of French.

Faculty Women's Club holding lecture-luncheons

The Faculty Women's Club is sponsoring a series of lecture-luncheons to give working members a chance to participate in club activities.

A representative from Taiwan and another from India will discuss the status and roles of women in their countries at a "Brown Bag Lecture" Wednesday, Nov. 5, at 11:45 a.m. in the Faculty Building.

Computation Center enhances interactive computing service

Editor's note: The Computation Center will be installing an IBM 4341 Computer System next month, and has furnished the following announcement.

A one-year program to make significant enhancements in the interactive computing service provided by the Center in support of the University's academic programs was presented on Nov. 1, 1979. This plan was developed in response to the study of the Committee on Interactive Computing Requirements (the Hallberg Committee).

Three of the four steps identified in this one-year program have progressed on schedule. These are: (1) Installation of additional interactive terminals and communication equipment to support more concurrent terminal users, (2) enhancements in our APL time-sharing service, and (3) implementation of an enhanced editor (INTERACT) for use in accessing the batch computing services provided with the IBM 3033 Processor.

The conversion from the MVT to the MVS operating system was completed during the same period, two months ahead of schedule.

The fourth step in the plan was to install an additional computer system which will be dedicated to full-function time-sharing service, permitting many concurrent users to interactively execute programs written in a variety of programming languages. This step will be achieved when the 4341 becomes operational. The target is to be able to serve at least 100 concurrent users, with access to the system to begin in January 1981.

Networking the 4341 with the 3033 is an important aspect of the plan. The IBM 3705 communications controller which now interfaces interactive terminals to the 3033 is being expanded so that it can be connected to channels on both the 3033 and the 4341. Then any interactive terminal which can now access the 3033 (whether by switched telephone network, or private line, multiplexer, etc.) will be invited to sign on to CMS or to INTERACT, RJE, or APLSV. A high-speed channel-to-channel adapter will permit the two processors to communicate directly with each other.

The services currently supporting interactive terminals on the 3033 will be continued. The number of concurrent users of INTERACT, RJE, and APLSV has already exceeded 150 at times. The additional capacity for 100 concurrent users with full-function foreground execution will add significantly to the interactive computing capacity of the University.

From the Press

A History of Pennsylvania. Second and enlarged edition. By Philip S. Klein and Ari Hoogenboom. 581 pages. 150 illustrations plus maps. \$17.50.

The second edition of Philip Klein's and Ari Hoogenboom's widely acclaimed history of the Keystone State has been updated and enlarged to include events culminating in the 1978 gubernatorial election and the political, economic and social developments which occurred in the six years since the original edition.

"Pennsylvania's history is a report and an evaluation of an experiment in utopian statecraft," the authors write in an introduction. "This volume tells the story of a wealthy and dedicated Quaker adventuring into statecraft and traces the course of his 'Holy Experiment' over three centuries."

The authors point out that while writers of state histories are often accused of "jingoism," human experience is ultimately measured by its local effect. They continue: "The happenings at a Massachusetts mill, a Texas ranch, and a Pennsylvania mine, factory and farm are the essential threads that make up the fabric of United States history."

Spanning three centuries, the text of the current edition incorporates information from hundreds of recent specialized, scholarly studies. Stress is placed on the relationship of the state and the developing nation.

Dr. Klein is professor emeritus of American history at Penn State, and Dr. Hoogenboom, a former member of the University's Department of History, now teaches at Brooklyn College. Each has authored or co-authored seven previous books.

Folklorist of the Coal Fields: George Korson's Life and Work. By Angus K. Gillespie. 175 pages. Illustrated. \$16.95.

George Korson (1899-1967), known for his pioneering work in collecting the stories and songs of coal miners, grew up in Wilkes-Barre. He was a newspaper reporter before he earned a national reputation as a folklorist.

Mr. Korson wrote five definitive books and many articles on coal mining folklore. He founded and directed the Pennsylvania Folk Festival and helped launch the National Folk Festival.

Dr. Angus Gillespie has written the first complete assessment of Mr. Korson's contribution to American intellectual life — and one of the first biographies of an American folklorist. He recounts how Mr. Korson took on the "folklore establishment," which had been concentrating its efforts on rural and Anglo-American folklore, to focus on the anthracite coal miners of eastern Pennsylvania and on the workers in the bituminous fields of the South and Midwest.

The author, who teaches American studies at Rutgers University, prepared this book after conducting extensive field research in anthracite mining towns, he also had access to Mr. Korson's unpublished works.

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Penn State Intercom

Senate to discuss calendar change

The Nov. 11 meeting of the University Faculty Senate (2:10 p.m., Room 112 Kern Building) will be highlighted by a forensic session on the proposed change from a term to a semester calendar.

Members of the faculty, staff or student body who wish to speak on or ask questions about this topic must notify Senate Chairman George Franz of their intent at least four days before the meeting. They may also call the Executive Secretary of the Senate, Oscar Barkman, at 333-1000 before Nov. 7.

In anticipation of the forensic session, a number of Senate committees have been studying and discussing the effects of calendar change in their areas of responsibility. The chairmen of these committees will make brief (three-minute) presentations summing up the results of their studies. After these presentations, the topic will be opened to discussion from the floor.

Participating committees include Academic and Physical Planning; Admissions, Records and Scheduling; Commonwealth Campuses/Continuing Education; Curricular Affairs; Faculty Affairs; Intra-University Relations; Libraries; Research; Student Affairs, Awards and Scheduling; and Undergraduate Instruction.

The Senate agenda also includes a report of the Committee on Admissions, Records and Scheduling informing the Senate of the admission of high school students below the senior level to the University Park campus during the 1980 Summer Term. Each admission was reviewed individually by the Committee. The Committee also expressed support for a proposal by the DuBois Campus to admit exceptional high school juniors through a special program.

A second informational report will be presented on the progress of the planning for the administrative integration of the Commonwealth Campuses and Continuing Education.

A legislative proposal will be offered by the Committee on Committees and Rules prohibiting members of that Committee and of Senate Council from serving as

(Continued on page 4)

To The Members Of The University Community:

As individuals, most of us have taken steps to deal with the effects that steadily rising energy costs are having on our pocketbooks. We may have installed extra insulation in the attic, purchased a wood burning stove, or started being more careful about turning off lights.

At the University Park Campus, we have installed a central control system to monitor temperatures and ventilation in our newer buildings. We have weatherized many of our older structures, and we have tried to keep thermostats set at a maximum temperature of 65° in winter.

Because of these efforts, last year at University Park we used 5 percent less energy than in 1978-79. But we spent \$112,000 more for it.

In a work setting — be it classroom or office — it's sometimes difficult to see how individual

actions count. But our engineers tell us that the measures they have adopted can only account for about 50 percent of the potential that exists for saving energy. The rest is up to us as individuals.

With the advent of cooler weather, here are several things each of us can do:

- (1) Report any problems and malfunctions to building coordinators, including overheating and underheating, faulty door and window closers, poorly fitting doors and windows, and any leaks or drips.
- (2) Turn off unneeded lights, heat and water.
- (3) Keep furniture and other items clear of radiators, grilles and registers.

John W. Oswald
President

News in Brief

Special pay arrangements

The Pitt vs. Penn State game will be played at University Park on Friday, Nov. 28, the day after Thanksgiving, which is both a biweekly and monthly pay date.

Normally, many employees schedule time off the Friday after Thanksgiving, and in order to accommodate them and to avoid campus traffic problems, the bi-weekly and salary payrolls scheduled to be paid Friday, Nov. 28, will be paid as follows:

1. These payrolls will be paid Wednesday, Nov. 26, and distribution of checks and deposit slips will be the same as that on regular paydays.
2. The checks, although distributed Wednesday, Nov. 26, will be dated Nov. 28 and should not be cashed prior to the Nov. 28 date. Banks will be reminded not to cash the checks prematurely.
3. Employees who have their checks deposited directly into their bank accounts will not be affected.

Occupational Privilege Tax to be withheld this month

The University will again this year withhold the Occupational Privilege Tax of \$10 from all University Park employees who are liable for the tax.

Accordingly, for faculty and staff members who are paid on a monthly basis, the tax of \$10 will be withheld from paychecks dated Nov. 28, 1980. For all other employees (technical service, graduate assistants and wage), the deduction will be made from paychecks dated Nov. 14, 1980.

If any employees wish to appeal their liability for this tax, they should apply directly to Michael S. Croff, Tax Administrator, 118 South Fraser Street, State College, PA 16801.

Department Heads are asked to make certain that part-time wage employees are aware of this tax.

Term calendar deadline

Information for the INTERCOM Winter Term Calendar should be turned in by Wednesday, Nov. 12. Material can be sent to Lee Morrill, Room 312 Old Main, 865-2501.

Search committees named for Beaver, Shenango Valley

Advisory Search Committees for the positions of Director of the Beaver and Shenango Valley Campuses have been appointed by President Oswald to assist him in identifying candidates.

Four persons from the Beaver Campus will serve on that Campus's search committee. They are Ronald Harshbarger, associate professor of mathematics, chairman; Harvey Kelly, assistant professor of speech; Leonard Kogut, assistant professor of chemistry; and William Herrle, Beaver Campus student government president. Other committee members are Wendell Harris, head, Department of English; Herbert McGibbeny, director, McKeesport Campus; Raymond Murphy, vice president for student affairs; and Helen Wright, associate professor of nutrition. Shenango Valley representatives on that search committee are John Houlihan, associate professor of physics, chairman;

(Continued on page 4)

President announces holiday schedule

President Oswald has announced that the period that University offices and buildings, except for essential services, are closed this Christmas and New Year's season will be extended three days, Monday and Tuesday, Dec. 22 and 23, 1980, and Friday, Jan. 2, 1981, in addition to the seven official University holidays involved.

This decision was based on recommendations by the University's Executive Energy Conservation Committee that significant energy use reduction could be realized by extending the period.

These three additional days are not to be considered official holidays (no holiday premium pay applicable). However, regular employees who are entitled to the normal extra holidays at Christmas shall not lose pay for these additional days off.

Employees at the Milton S. Hershey Medical Center who receive service days in lieu of the extra Christmas holidays and the personal holiday will receive four and one-half service days (36 hours) for the last quarter of 1980, instead of the normal one and one-half service days (12 hours) for the quarter.

This decision applies to this Christmas season and should not be assumed to be a precedent.



Mr. Foster

Corporate Executive to head Fund Council

Lawrence G. Foster, corporate vice president of public relations for Johnson & Johnson, is the new president of the Penn State Fund Council, an advisory board concerned with private fund raising for the University.

Mr. Foster was named to a two-year term as Fund Council president by President Oswald under a reorganization of the Council approved recently by the Board of Trustees.

"Since its formation in 1974, the Fund Council has done an excellent job of increasing private support at Penn State," Mr. Foster said. "We are now committed to an enlarged Council and a renewed effort to increase private fund raising from alumni, corporations, foundations and friends of the University. Private funds enable Penn State to undertake projects for which no other financial support is available," he said.

Mr. Foster, a 1948 graduate of Penn State, began his professional career as a journalist, and in 1957 joined Johnson &

(Continued on page 4)



Ellen Berger of the Office of Physical Plant may need some special equipment to handle the leaves in this photo by Scott Johnson.

Penn Staters

Dr. Andrea M. Mastro, assistant professor of microbiology, has returned from Klais, Bavaria, where her report on her research on "The Effects of Phorbol Esters on Lymphocyte Proliferation" was presented at a symposium held Oct. 13-16. The conference, entitled "Carcinogenesis and Biological Effects of Tumor Promoters," was organized by the German Cancer Research Center and the International Agency for Research in Cancer. Dr. Mastro's report, co-authored by her research technologist Karen G. Pepin, was selected for inclusion in a book which will be published as a result of the meeting.

Dr. Mastro also presented a seminar, "Protein Kinases and Membrane Phosphorylation in 3T3 Cells," at the Biology Department of New York University on Oct. 10.

Dr. Forrest J. Remick, assistant vice-president for research and graduate studies and professor of nuclear engineering, has been reappointed to the Atomic Safety and Licensing Board Panel (ASLBP) as a technical member. Established in 1954 as part of the Atomic Energy Act, the ASLBP approves the construction of all new production and utilization facilities, including nuclear power plants.

Dr. S.V. Martorana, professor of education, served as a resource person to the Utah Educational Seminar sponsored jointly by the Utah State Board of Regents and the College of Education of the University of Utah. He also presented a paper on "Statewide Planning for Higher Education and the Role of the Community College." Utah is now studying the feasibility of converting two-year associate degree level technical colleges in the Salt Lake Valley Region to comprehensive community colleges.

Barry L. Myers, associate professor of business law, has been admitted to practice before the United States Supreme Court. Mr. Myers' application to the Supreme Court was sponsored by attorneys William Donovan of State College and Thomas Beckley of Harrisburg. Mr. Myers has been a lawyer for 10 years and has been admitted to practice in both Pennsylvania and Massachusetts.

Four researchers in comparative medicine at Hershey have been honored for their research on pregnancy toxemia, which in humans in the U.S. is the single most common cause of maternal and perinatal or at-birth mortality.

Dr. Daniel C. Seidl, a 1980 M.D. degree recipient from the College of Medicine; and, in the Department of Comparative Medicine, Dr. Howard C. Hughes, associate professor; Roy Bertoletto, senior research technician; and Dr. C. Max Lang, professor and chairman of the department, received the annual research award of the American Association for Laboratory Animal Science for their study "True Pregnancy Toxemia in the Guinea Pig." The study was reported in *Laboratory Animal Science* magazine in August 1979.

"Spatial Organization of Manufacturing in Metropolitan Pennsylvania, 1957-1977" was the title of a paper presented by E. Willard Miller, professor of geography and associate dean for resident instruction, emeritus, at the 24th International Geographical Congress held in Tokyo, Japan. He also chaired a session on Economic Geography at the Congress.

E. Arthur Hungerford, retired associate professor of speech, has been selected for the "Outstanding Teacher Award" by the National Association of Educational Broadcasters. Mr. Hungerford, who chaired Penn State's Broadcast Options Committee, was a pioneer in the development of television. He was active in planning the University's educational television station, WPSX-TV.

Dr. William F. DeWolf, administrative assistant for academic affairs at Shenandoah Valley, was invited by the West Virginia Art Education Association to present the keynote address at the Art Education Conference held Oct. 18 at West Virginia University. He spoke on "Competency-Based Art Programs."

Dr. Peter A. Ferretti, associate professor of horticulture extension, and Herbert C. Jordan, associate professor of poultry science extension, were among 25 members of a Council for Agricultural Science and Technology task force to evaluate organic and conventional farming methods in the United States.

Appointments

Hamid A.B. Al-Mondhry as associate professor of medicine at Hershey, M.D., U. of Baghdad, Iraq. Formerly assistant professor and chief, hematology, Baghdad U. College of Medicine.

Lawrence H. Auer as associate professor of astronomy, B.A., Haverford College; Ph.D., Princeton U. Formerly held, High Altitude Observatory/National Center for Atmospheric Research, Boulder, Col.

E. Earl Graham as associate professor of chemical engineering, B.S., PSU; M.S., Ph.D., Northwestern U. Formerly senior lecturer, U. of Canterbury, New Zealand.

William W. Hager as associate professor of mathematics, B.S., Harvey Mudd College; M.S., Ph.D., Massachusetts Institute of Technology. Formerly assistant professor, Carnegie-Mellon U.

John T. Harwood as associate professor of English, B.A., Wartburg College, Ph.D., U. of Nebraska. Formerly associate professor and chairman of Basic Studies Department, Christopher Newport College.

Dale M. Heien as associate professor of agricultural economics, B.A., M.A., U. of Illinois; Ph.D., George Washington U. Formerly economic consultant; lecturer, San Jose State U.

Dennis R. Howard as associate professor of recreation and parks, B.S., U. of Oregon; M.S., U. of Illinois; Ph.D., Oregon State U. Formerly assistant professor, U. of Oregon.

David Khalifa as associate professor of management science, B.S., North Carolina State U.; M.B.A., Ph.D., PSU. Formerly assistant professor, Bloomsburg State College.

Steven G. Krantz as associate professor of mathematics, B.A., UC-Santa Cruz; Ph.D., Princeton U. Formerly assistant professor, UCLA.

Steven B. Mizel as associate professor of immunology, B.A., UC-Berkeley; Ph.D., Stanford U. Formerly senior staff fellow, National Institutes of Health.

Forest V. Muir as associate professor of poultry science extension, B.S., M.S., Southern Illinois U.; Ph.D., Ohio State U. Formerly professor, extension poultry specialist, U. of Maine.

Leonid Roytman as associate professor of electrical engineering, M.E., Ph.D., Polytechnical Institute, USSR. Formerly post doctoral fellow, Concordia University, Montreal, Canada.

Arthur J.L. Schneider as associate professor of anaesthesiology at Hershey, A.B., Washington U.; M.D., Washington U. School of Medicine, St. Louis. Formerly associate professor of anaesthesiology, University Hospitals, Cleveland, O.

Philip L. Senger as associate professor of dairy physiology, B.S., North Carolina State U.; M.S., Ph.D., Virginia Polytechnic Institute and State U. Formerly associate professor, Washington State U.

Bruce Stuart as associate professor of health planning and administration, B.A., Whitman College; M.A., Ph.D., Washington State U. Formerly associate professor, U. of Massachusetts.

Anybody There?

In a large and geographically dispersed University such as ours, members of the community are sometimes unaware of colleagues who may be toiling in fields either similar or adjacent to their own.

We hope this new column will encourage faculty and staff members to write in:

- (1) to discover if anyone is working in a similar area,
- (2) to invite people to work on a common problem,
- (3) to seek specific knowledge, expertise, or information.

Queries directed at kindred researchers should be sent to INTERCOM, Room 312 Old Main. We will publish them upon receipt. Please be specific and include your phone number or the address where you wish to be contacted.

Richard A. Wilson as associate professor of veterinary science, B.S., M.S., Ph.D., Montana State U. Formerly associate professor, College of Osteopathic Medicine and Surgery, Des Moines, Ia.

Terrance M. Wilson as associate professor of veterinary science, B.S., M.S., D.V.M., Cornell U.; Ph.D., Ontario Veterinary College, Canada. Formerly project director, World Health Organization, Barbados, Virgin Islands.

Dr. Kathryn Towns, associate professor of educational psychology at Capitol, has been named associate dean for research, graduate studies and continuing education at the Middletown campus. She succeeds Dr. Melvin H. Wolf, professor of humanities and English, who resigned to return to full-time teaching and research.

Dr. Towns earned her bachelor's degree at Miami (Ohio) University and her master's and Ph.D. at Penn State. She joined Capitol's faculty 12 years ago and has received national recognition for her work with returning women students. She is founder and director of PROBE (Potential Re-entry Opportunities in Business and Education), an off-campus counseling, information and referral service for women.

Robert L. Sabatino has been named acting associate director for academic affairs at Wilkes-Barre. He replaces Dr. Nils A. Parr, who was named acting director of the Campus several weeks ago. Dr. Sabatino will continue to fulfill the responsibilities of his previous position as advisor/consultant in the Division of Undergraduate Studies.

Before joining Penn State in 1969, Mr. Sabatino was a history teacher and guidance counselor with Wilkes-Barre City Schools. He earned his B.S. in education from Wilkes College and his M.S. in counseling from the University of Scranton.

25-year chair



The name of Shirley Stanton evokes immediate recognition from Business Administration students, alumni and faculty members. Of her 25 years of service, 22 have been spent as a student records or seminar in the College.

Mrs. Stanton puts in an average of 50

hours a week on her job and often can be found working on her lunch hours and well into the evening. "I like what I do so I don't mind the extra hours," she says. When Mrs. Stanton was honored for her University service last month, the College of Business Administration Student Council presented her with a bouquet of roses to express the students' appreciation for those "extra hours" and dedication. In past years, she also has been recognized with feature articles in the *Daily Collegian* and in *Entrepreneur*, the newsletter of CBA's Student Council.

Mrs. Stanton started her first Penn State job in 1948 as a receptionist in College Placement, predecessor to Career Development and Placement. She left the State College area while her husband attended graduate school, returning in 1957 when she took a job doing statistical work for the Center for Research in the College of Business. In 1958, she assumed her present position.

She notes that after so many years in Business Administration, she is now seeing the children of a number of students she helped in the '50s.

"When I start seeing the third generation, I'll know it's time to leave," she comments.

In her spare time during the summer months, she plays golf and tennis and tends to her garden. At "the first sign of a cool breeze," Mrs. Stanton can be found heading to New York State or Colorado to ski. She also follows enthusiastically the Penn State athletic programs, particularly her favorites—wrestling, gymnastics, and of course, Penn State football.

Carpoolers

Linnea Noll is seeking a ride from Millheim, leaving at 7 a.m. and returning from Weaver Building at 5 p.m. Phone: 865-5461 or 349-8152.

Retirements

Annie D. Fitzsimmons, a patient care assistant at Hershey since Oct. 5, 1970, will retire Nov. 1.

John R. Jellison, a building inspector in the Office of Physical Plant, will retire Dec. 1. He has been on the staff since June 6, 1967.

Obituaries

Elizabeth R. Lake, a secretary in the College of Agriculture at her retirement July 1, 1979, died Oct. 25. She was 65. A Washington, D.C., native, she joined the staff of the University in 1963 as a stenographer in Agriculture. She also worked in the College of Science.

E. Stanley Miller, janitorial worker in the Office of Physical Plant, retired July 1, 1979, died Oct. 30. He was 76. He joined the University staff in October 1958.

Paul A. King, 71, died Oct. 30. He joined the University staff in 1950 as a janitorial worker in the Office of Physical Plant and retired April 15, 1972.

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University Park Calendar

Nov. 6 — 16

Special Events

Thursday, Nov. 6

Board of Trustees meeting, Keller Bldg.
Kern/WFSX-TV, *Cosmos*, series, "Traveller's Tale," noon, Kern Lobby.
ASEE lecture, 12:30 p.m., Room 101 Kern.
William S. Adams, electrical engineering, on "An Overview of Interactive Computing at Penn State."
ASHA 410, Polynesian dinner, Maple Room, Henderson. Reservations, 865-1736, 8 a.m.—5 p.m.

Cinematheque. *Last Tango in Paris*, 8:30 and 9 p.m., HUB Assembly Hall.
University Readers, Brecht, Socrates Wounded, 7:30 p.m., Room 112 Kern.
URTC. *Sly Fox*, 8 p.m., The Playhouse.

Friday, Nov. 7

Board of Trustees meeting, Keller Bldg.
Sports: j.v. Football vs. Fork Union Military Academy, 2 p.m.
Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker.
Peter Fletcher, forestry emeritus, on "The Forests of Pennsylvania," GSA film, *Ryans Daughter*, 6 and 9 p.m., Room 10 Sparks.

Commonsplace Theatre, *Moby Dick*, 7 and 9 p.m., Room 112 Kern.
SFO film, *Marx Bros. in Monkey Business*, 7 and 9 p.m., HUB Assembly Hall.
Shaver's Creek Nature Center, Fireside Readings, 7-8:30 p.m., Stone Valley.
URTC. *Sly Fox*, 8 p.m., The Playhouse.
Artists Series, Ossie Davis and Ruby Dee in *Inside/Out*, 8:30 p.m., Schwab.

Saturday, Nov. 8

Sports: Football vs. North Carolina State, 1:30 p.m.
GSA film, *Ryans Daughter*, 6 and 9 p.m., Room 10 Sparks.
France-Cinema, *Le Bonheur*, 7 and 9 p.m., Room 112 Kern.
Folk Dance Party, Interlandia performance and teaching, 8 p.m., Room 102 Kern.
URTC. *Sly Fox*, 8 p.m., The Playhouse.

Sunday, Nov. 9

Shaver's Creek Nature Center, workshop on "Sharing Nature with Children," 9 a.m.—4 p.m., Stone Valley. Preregistration required, 865-1851.
University Chapel Service, 11 a.m., Eisenhower Chapel, Dr. Derald Stump, Episcopal Ministry, PSU, speaker.
Commonsplace Theatre, *Moby Dick*, 7 and 9 p.m., Room 112 Kern.

Monday, Nov. 10

ASHA Cafeteria, 5:15-6:15 p.m., Maple Room, Henderson. Tuesday also. No reservations needed.

France-Cinema, *Le Bonheur*, 7 and 9 p.m., Room 112 Kern.

Tuesday, Nov. 11

School of Music Common Hour, The Temple Trio, 1 p.m., Music Bldg. Recital Hall.
University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.
Comp. Lit. Film Series, Bertolucci, *The Spider's Stratagem*, 7 and 9 p.m., Room 112 Kern.
URTC. *Sly Fox*, 8 p.m., The Playhouse.

Wednesday, Nov. 12

STS/TCO luncheon, noon; presentation, 12:20 p.m., Room 101 Kern.
Paul Welliver, education, on "Technology and Education: Products and Processes."
Alard String Quartet recital, 12:45 p.m., Room 112 Kern.
URTC. *Sly Fox*, 8 p.m., The Playhouse.
Artists Series, Minnesota Orchestra, 8:30 p.m., Eisenhower Auditorium.

Thursday, Nov. 13

Kern/WFSX-TV *Cosmos* series, "The Backbone of the Night," 11:30 p.m., Kern Lobby.
School of Music Common Hour, student performances, 1 p.m., Music Bldg. Recital Hall.
English/IAHS, poetry reading by five Bulgarian poets, 3 p.m., Rare Books Room, Pattee.
URTC. *Sly Fox*, 8 p.m., The Playhouse.

Friday, Nov. 14

Last date to submit petitions to Records Office to graduate in absentia in Nov.
Last day to sign Fall Term Emergency Loans.
Room 108 Shields.
Early registration for Winter Term, 8:30 a.m.—4:30 p.m., Room 112 Shields. Also Nov. 17-20.

Shaver's Creek Nature Center, overnight "Adventure Program" for children 8 and older. Preregistration required, 865-1851.
Commonsplace Theatre, *Man of La Mancha*, 7 and 9 p.m., Room 112 Kern.

GSA film, *The Magus*, 7 and 9 p.m., Room 10 Sparks.

SFO film, *Summer of '42*, 7 and 9 p.m., HUB Assembly Hall.

Sports: soccer vs. Towson State, 7:15 p.m.
URTC. *Sly Fox*, 8 p.m., The Playhouse.

Saturday, Nov. 15

Full Term classes end, 12:25 p.m.
Commonsplace Theatre, *King of Hearts*, 7 and 9 p.m., Room 112 Kern.
GSA film, *The Magus*, 7 and 9 p.m., Room 10 Sparks.
URTC. *Sly Fox*, 8 p.m., The Playhouse.

Sunday, Nov. 16

Commonsplace Theatre, *King of Hearts*, 7 and 9 p.m., Room 112 Kern.
GSA film, *Man of La Mancha*, 7 and 9 p.m., Room 10 Sparks.

Seminars

Thursday, Nov. 6

Ceramic Science, J. Varner, Alfred Univ., on "Impact Damage of Bulk and Thin Glass," 11 a.m., Room 301 Steidle (new listing).
Philosophy of Mathematics, Philip Kitcher, Univ. of Vermont, on "Change in Mathematics," 1 p.m., Room 67 Willard (new listing).
Mathematics, Michael Morley, Cornell Univ., on "Category and Finite Axiomatizability: An Expository Talk with Pictures," 4 p.m., Room 102 McAllister (new listing).

Statistics, Stanford Weisberg, Univ. of Minnesota, on "Characterization of Influence in Regression," 4 p.m., Room 60 Willard (new listing).
Fuel Science, A.C. Comelli, on "Recent Developments and Status of the H-Coal Process," 4 p.m., Room 301 Steidle (new listing).

Friday, Nov. 7

Analytical Chemistry, David Stuts, grad. student, on "Analytical Chemistry of Sulfur: Predictive and Experimental Aspects," 11:10 a.m., Room 333 Whitmore.
Physics, Richard Mark, Australian National Univ., Canberra, on "Growth and Reorganization of Retino-lectin Connections in Fish," 11:10 a.m., Room 211 East Human Development.
Physical Chemistry, Douglas Ridge, Univ. of Delaware, on "Organometallic Chemistry in the Gas Phase: Ion Cyclotron Resonance Investigations," 2:30 p.m., Room 333 Whitmore.

Monday, Nov. 10
MC3B, Lella Diamond, Wistar Institute, on "Cell Culture Models for Studying Carcinogens and Tumor Promoters," 11 a.m., Room 101 Althouse.

Organic-Inorganic Chemistry, Giuseppe Sacchini, Univ. of Pisa, on "Metal Clusters as Intermediates for CO Reduction," 8 p.m., Room 333 Whitmore.

Tuesday, Nov. 11

MC3B, Lella Diamond, Wistar Institute, on "Cell Culture Models for Studying Carcinogens and Tumor Promoters," 11 a.m., Room 101 Althouse.
Agricultural Engineering, Gerald E. Rehkugler, Cornell Univ., on "Graduate Study and Research in Agricultural Engineering at Cornell University," 2:20 p.m., Room 124 Ag. Eng. Bldg.

Philosophy of Science, Emily Grosholz, philosophy, on "Physics and Metaphysics: The Conception of Force in Newton and Leibniz," 3:45 p.m., Room 124 Sparks.

A daily calendar of events is available around the clock at 863-1320. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Thursday, Nov. 13

Ceramic Science, W. Landford, SUNY, on "Depth Profiling by Nuclear Reaction Analysis (NRA)," 11 a.m., Room 301 Steidle.
Chemistry, Robert Fraser, Univ. of Ottawa, on "The Stereochemistry of Lithiated Imines," 12:45 p.m., Room 333 Whitmore.
Air Pollution Control, Joseph I. Polasek, M.D., State College, on "Health Effects of Air Pollution," 2:20 p.m., Room 69 Willard.
Microbiology, Keith Haye, grad. student, on "Microinjection of Histones," 3:55 p.m., Room 5-2 Frear.
Physics, Robert M. Wald, Univ. of Chicago, on "Black Holes and Quantum Gravity," 3:55 p.m., Room 455 Davey.
Fuel Science, A. Muan, & E.M.S., on "Interaction of Coal Ash Slags with Refractories in Gasifiers," 4 p.m., Room 301 Steidle.
Mathematics, Roger Carter, MIT, on "Representations of Algebraic Groups and Related Finite Groups," 4 p.m., Room 102 McAllister.

Friday, Nov. 14

Analytical Chemistry, Joanne Recchia, grad. student, on "Ru-Histadine Complexes as Structure Probes in Proteins," 11:10 a.m., Room 333 Whitmore.
Mathematics, Stephen Milne, Texas A & M, on "A Rogers-Ramanujan Bijection," 4 p.m., Room 104 McAllister.

Exhibits

Chamber Gallery: Ralph Raunft, paintings and photographs, Ray Wilkins, drawings, Paolo Soleri, weldings, all through Nov. 15.

HUB: Richard L. Crowley, Sr., color photographs and clocks, "80 Years of Political Campaigns," campaign buttons and memorabilia from the private collection of Ernie Weidhaus, Art Alley, Mary Cady Rubinstein, recent prints, The Browning Gallery, Larry Sussman, color photographs, Ron Galas, ceramic sculpture. The Gallery. All exhibits through Nov. 15.

Kern Gallery: "Art of This Decade — 1980," Ann Deering, ceramics; David Weiland, wooden boxes.

Museum of Art: European paintings, contemporary prints and 18th to 20th century works from the permanent collection: The Art of the Needle.

Pattee Library: Marc Levy and his students, photographs, East Corridor Gallery, Kevin Barr, paintings, lending Services Lobby, Nathan Goodson, glassware, opens Nov. 7, Main Lobby.

Visual Arts Zoller Gallery: Jackie Battenfield, fiber exhibit, through Nov. 13.

shows, which will be held in different parts of the country in non-commercial space, will spotlight works created during that calendar year.

Artists whose works are being shown at Kern include Merrill Cleghorne, Thomas J. Edinger, Fu Shu, Ray Lewis, and Judith Vogt. Four of the artists featured studied at the University. They are Mark Dame, James Murray-Thompson, Jim Sale and Walter Zimmerman.

Chambers features exhibits

Work by two doctoral candidates in art education at the University, Ralph Raunft and Ray Wilkins, is on display in Chambers Gallery through Nov. 15. An exhibit of windbells by the noted architect Paolo Soleri is also being shown.
Mr. Raunft, who earned B.F.A. and M.F.A. degrees from the Tyler School of Art at Temple University, is exhibiting paintings and photographs.
Ray Wilkins obtained his undergraduate degree from the George Washington University and Corcoran School of Art. One of his series drawings was purchased by the National Collection of Fine Arts. His current series developed through experimentation with charcoal, conte crayon and spray lacquer into suggestions of architectural forms.

Arts Roundup

Minnesota Orchestra to present concert

The Minnesota Orchestra, one of America's leading symphonic ensembles, will perform in Eisenhower Auditorium on Wednesday, Nov. 12, at 8:30 p.m. The orchestra, under the famed English conductor, Neville Marriner, will present this concert as part of the Artists Series Music Series.

The program will include Berlioz's Overture to *Benvenuto Cellini*, Bartok's Concerto for Orchestra, and Sibelius's Symphony No. 2 in D Major.

Mr. Marriner is the seventh music director of the Minnesota Orchestra, which was founded in 1903. Called "the Marathon Man" by *Time* Magazine, he recorded 29 albums in 1979, bringing his discography to some 250 titles. In addition to his Minnesota post, Mr. Marriner is now artistic director of the Meadow Brook Festival, permanent guest conductor of the Orchestre National in Paris and principal guest conductor of the Stuttgart Radio Symphony.

Critics have praised his ability to strike a balance between technical brilliance and spontaneity, and he is known for his

delicacy of phrasing, attention to detail and his musicality.

Tickets are now on sale at the Eisenhower Auditorium, weekdays, from 9 a.m. to 4 p.m. The Artists Series HUB booth will be open beginning Monday, Nov. 10, from 9 a.m. to 12:30 p.m. Phone orders on MasterCard and Visa will be accepted at 863-0255, from 9 a.m. to 4 p.m. on weekdays.



Neville Marriner

Temple Trio scheduled for Recital Hall concert

The Temple Trio, trio-in-residence at Temple University, will be on campus Tuesday, Nov. 11, to present a concert for the School of Music's Common Hour at 1 p.m. in the Music Building Recital Hall. The concert is the result of an exchange arrangement with the Alard String Quartet, which will be performing on the Temple campus Nov. 14.

Haydn's Trio XIII in A Major will open the hour-long program. The group will also perform "20th Pieces breves" by Bohuslav Martinu, a 20th century Bohemian composer, and will close with Mendelssohn's Trio opus 49 in D minor.
The Temple Trio is composed of pianist Alexander Fiorillo, violinist Helen Kwabwaa, and cellist Hirofumi Kanno, all faculty members in Temple University's College of Music.

Art exhibit at Kern

An exhibition, "Art of This Decade 1980," is being shown in the Kern Galleries through Nov. 21.

According to James Scaltz, assistant to the Graduate Commons Director, the show is the first in a 10-part series of annual exhibitions, organized as vehicles for the free expression of aesthetic ideas. The

News in brief

(Continued from page 1)

Leonard Riforgiato, assistant professor of history; Timothy Vesonder, assistant professor of English and acting associate director for academic affairs; and Michael Polack, Shenango Valley Campus student government president. Other committee members are Marlowe Froke, director of Media and Learning Resources; Andrew Pytel, associate professor of engineering mechanics; Jacqueline Schoch, director, DuBois Campus; and Marylee Taylor, assistant professor of sociology.

The committees invite nominations and applications for the positions.

Applications and letters of nomination should be directed to Dr. Robert Quinn, Room 111 Old Main, University Park, Pa., by Jan. 1, 1981. Candidates must have an earned doctorate or equivalent, several years' experience in college and/or university teaching, and responsible and substantial experience in academic administration.

Bulgarian poets to present public reading

Five Bulgarian poets will present a poetry reading on Thursday, Nov. 13, at 3 p.m. in the Rare Books Room of Pattee Library.

This public presentation, which is being arranged by John Balaban, associate professor of English, is sponsored by the Department of English and the Institute for the Arts and Humanistic Studies.

The poets include Georgi Djagarov, who is also vice president of Bulgaria's State Council; Lyubomir Levchev, president of the Writers' Union; Borzhidar Bozhilov, editor-in-chief of *Pulse*; Luchezar Elenkov, general secretary of the Writers' Union; and Vladimir Golev, editor of *September* magazine.

The poets will be accompanied by the Bulgarian ambassador, Stoiyan Zhulev, and the Bulgarian cultural attaché, Krassim Himmirsky.

Travel expense booklet can be updated

The University booklet entitled "Travel and Business Expense Regulations," which was distributed throughout the University in 1978, has the various maximum daily rates allowed for travel listed inside the front cover.

In order to update these rates to reflect the revisions announced by the Controller in early October, paste-over labels with current rates have been supplied to Financial Officers or Commonwealth Campus Business Managers throughout the University. These labels are available from them to update individual booklets.

Museum of Art receives special projects grant

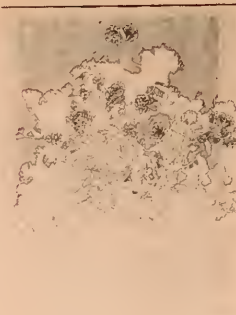
The University's Museum of Art has been awarded a special projects grant of \$25,763 from the Institute of Museum Services of the Department of Education in Washington, D.C.

Some 1,500 museums submitted proposals to the Institute, and 408 were selected.

The grant money will be used to design outreach programs aimed at involving schoolchildren from surrounding communities in Museum activities. Grant funds will support the docent training programs, a full-time research assistant who will be responsible for compiling easy-to-read texts on the Museum's permanent collection, transportation costs for the children and honorariums for teachers.

According to research assistant Judith Hansen, the grant will allow the Museum the opportunity to focus on its own collection—as opposed to "blockbuster" shows and traveling exhibitions.

Participating in the outreach program will be the Glendale Area, Harmony Area, Keystone Central, Philipsburg-Oscola



Friends of Museum to award artworks at January gala

A drawing by Stuart Frost, professor of art, and a stoneware plate by Dr. Kenneth Beitell, professor of art education, are among the prizes to be awarded by the Friends of the Museum of Art at their Jan. 17 annual Gala.

Other prizes include a recent colored lithograph by Harold Altman, formerly of

Area and State College Area School Districts. The Clearfield Area School District has tentatively agreed to participate.

Guidelines for use of hazardous materials available

Guidelines for the use of chemical carcinogens and biohazardous materials have been prepared jointly by the Department of University Safety, the University Biohazards Committee and the Office of the Vice President for Research and Graduate Studies.

The guidelines were developed to assist Penn State personnel in complying with State and federal regulations pertaining to these materials. Copies are available through department safety officers or at the Office of the Vice President for Research and Graduate Studies in Room 201 Old Main.

The Machine Age

The increasing importance of the computer in resident instruction is apparent from a report issued by the Computation Center.

During the present Fall Term, 12,837 students are using the Center's facilities at University Park and the Commonwealth Campuses. Of this number, more than one-fourth are taking more than one course requiring the use of the computer.

Fund Council head

(Continued from page 1)

Johnson, the international health care products company. He was elected to the Penn State Board of Trustees Last May, and from 1973 to 1978 served as president of the Penn State Alumni Association. In 1979 Mr. Foster received the Distinguished Alumnus Award, the highest honor the University can bestow.

Senate

(Continued from page 1)

members of standing committees of the Senate under most circumstances. The changes are proposed, according to the Committee's report, "as a means of spreading the workload and the power base of the Senate among more members."



The drawing by Stuart Frost and plate by Kenneth Beitell which will be awarded by Friends.

the Department of Art, an oil painting and vase by Robert Kulicke; the 1878 print of Old Main by Thomas Hunter, and a \$100 gift certificate good at the Museum of Art Store.

Ticket information is available at the Museum Store.

Review of health care coverage advisable

Regular University faculty and staff members are urged to review periodically the deductions being taken for their health care coverage (hospital/surgical/major medical, dental and vision) to be certain that they are paying for the correct coverage.

A change in family status may affect your cost and your coverage. For example, when you get married, when you have a first child, or when your spouse stops working for the University, you run the risk of having inadequate dependent coverage, if you haven't taken steps to indicate the change in coverage desired. Consideration should be given to changing coverage if any of the following circumstances arises:

1. You get married.
 2. You get divorced (or separated and no longer wish to provide spouse dependent coverage).
 3. You become the parent of a first child (note: a baby is covered automatically for 31 days following birth; however, to provide for coverage beyond that time for a child, a coverage form must be completed).
 4. Your only dependent child reaches age 19 (or 23 in the case of a full-time student).
 5. Your only dependent child gets married.
 6. Your spouse begins or ceases working for the University as a regular employee.
 7. Your only dependent child begins or ceases working for the University as a regular employee.
 8. Your spouse enters military service.
 9. Your only dependent child enters military service.
 10. Your spouse dies.
 11. Your only dependent child dies.
- If you feel a change should be made, call, write, or visit the Employee Benefits Division, Room 133 Willard Building, 805-1473.

Faculty or staff members located away from University Park may receive assistance by contacting the appropriate Business Manager or Regional Personnel Officer.

The University has no way of knowing whether a change should be made, so it is the responsibility of the individual faculty or staff member to keep his or her records up to date. No refunds for overpayment will be made, unless it can be shown that the University was in error.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in or promoted may apply by calling the Employment Division, 805-1387 (network line 873-1387). Applications for these staff vacancies will be accepted until 5 p.m., Nov. 13, 1980. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

STATE LEADER - EXTENSION DATA SYSTEMS, College of Agriculture Responsible for the planning, developing, and administration of a computerized information support system and data bases for statewide Extension services; establish guidelines for the acquisition of equipment and development of software; assure compatibility of communications technology, languages, processes, and procedure for the statewide Extension computer network. Identify technical requirements for information processing support. Provide leadership and coordinate the integration of these requirements into a statewide computer educational network. Plan staffing needs and administer the program across the Commonwealth of Pennsylvania within projected resources. Develop and implement a feasible set of equipment alternatives for information handling. Develop seminars, training sessions, and information exchange programs to keep personnel informed of the feasibility of computer support approaches. Work with resident faculty and staff in College of Agriculture and other Colleges in developing and maintaining the Pennsylvania Extension Data System. Represent Cooperative Extension, College of Agriculture at State, Regional and National Meetings and Conferences relating to data system management, act as a State Leader working with the academic community in the Extension Service and with Regional and National Committees to ascertain and identify the systems needs. Visit and assist Extension Districts in the development and operation throughout the United States. Screen and adapt software from other states for the Pennsylvania program. Direct state and county offices in use of computers in office management. Serve on academic committees, act as a member of the College Computer Services Committee. Doctorate (or equivalent) in agriculture, family living, home economics, rural development or related field, plus four to five years of effective experience in computer systems planning, design, development and implementation, as well as program management.

SUPERVISOR, COMMUNITY CENTER BUILDING OPERATIONS, BERKS CAMPUS Responsible as the Associate Director for Academic Affairs for providing and supervising instructional, intramural and recreational programs, coordinate publicity and sports information, prepare and set up athletic, recreational, cultural and special events, coordinate travel, supervise laundry services, deal with organizations associated with the athletic and recreation programs. Associate degree in recreation and parks or equivalent to two years of college level training, plus two to four years of effective experience.

Mueller's contributions to physics hailed

The late Dr. Erwin Mueller, Evan Pugh professor of physics at the University who was internationally renowned for several discoveries and inventions related to atomic physics, should have been awarded a Nobel Prize.

So says Dr. Robert L. Weber, a now-retired associate professor of physics at Penn State and the author of a new book, *Pioneers of Science: Nobel Prize Winners in Physics*.

Noting that each year more scientists are eligible for Nobel Prizes than receive them, Dr. Weber asked a number of Nobel laureates to name physicists who are or were peers of those who won the coveted prize.

Among the seven physicists named was Dr. Mueller, who died in 1977, for his invention of the field emission and ion microscopes.

The other "uncrowned laureates" suggested were: Dmitri Mendeleev (1834-1907) for his periodic law; Arnold Sommerfeld (1868-1951) for his work on atomic spectra; Paul Langevin (1872-1946) for developing a theory of paramagnetism; Henry Moseley (1887-1915) for the law named after him; Samuel Goudsmit (1902-1978) for work on atomic particles; and John Wheeler (1911-) for contributions to relativity and nuclear physics.

Dr. Weber's book, published in October by the Institute of Physics, presents a unique biographical record of the 114 physics laureates.



Penn State Room

This pensive lady was photographed by Horace Engle in Roanoke, Va., about 1908. Engle is subject of a book by retired journalism professor Edward Leos. (See story page 4.)

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November 13, 1980 Volume 10, Number 11

Penn State Intercom

Thirteen named to HPER Dean search committee

Thirteen persons have been named to a search committee to consider nominations and applications for the position of Dean of the College of Health, Physical Education and Recreation.

The committee is under the chairmanship of Dr. Geoffrey C. Godbey, professor of recreation and parks. Other members are:

Dr. Carol A. Cartwright, professor of education; Dr. Robert E. Dunham, vice president for undergraduate studies; Elizabeth G. Ellis, librarian; Dr. David B. Geselowitz, professor of bioengineering; Dr. Truman V. Hershberger, associate professor of animal nutrition; Dr. Thomas J. Knight, associate dean for Commonwealth Campuses and Continuing Education, Liberal Arts; Dr. Herbert M. Lundegren, professor of physical education; Wesley A. Olsen, associate professor of physical education. Ognitz: Dr. Torrence D. Parsons, associate professor of mathematics; Dr. Ronald A. Smith, associate professor of physical education; Dr. Richard W. St. Pierre, assistant professor of health education; and Michael Wilkinson, graduate student.

The former Dean of the College of Health, Physical Education and Recreation, Dr. Robert Scannell, has been named vice president and dean for the new University-wide system of Commonwealth Campuses and Continuing Education.

Five criteria have been established for the appointment. They are:

1. Prior experience as an academic

(Continued on page 4)

Progress report given on implementing 'Perspective'

Calling the *Perspective* on the '80s a "statement of Penn State ambition", Provost Edward D. Eddy reported on progress toward implementing its goals of Quality, Flexibility and Selectivity before the Educational Policy Committee of the Board of Trustees.

While ambition is essential to progress, Dr. Eddy pointed out, it must begin with "self-knowledge of the most searching nature" and the realization "that it depends heavily on plain, hard work."

Dr. Eddy described implementation efforts in the following areas:

— Out-of-state student recruitment. As the result of programs undertaken by Dean of Admissions Donald G. Dickason and his staff, applications from non-Pennsylvanians have increased 35 percent since 1979. This year, 502 more out-of-state students are enrolled — mostly at University Park. Systemwide, out-of-staters now comprise 7.7 percent of the undergraduate student body.

— Educational innovation. To illustrate movement in this area, the Provost cited a new program at the University of Nice that brings together students in French and business administration to combine studies in divisions formerly considered far apart.

— International education. An agreement has been signed between WPSX/TV and Fundacao Padre Ancheta, the educational network of Brazil, to develop public television programs for exchange. Brazil will initiate the project next month with a nationwide showing of "Christmas at Penn State", featuring the University's chorus.

— Academic leadership. Eight study groups drawn from the 30 major officers who report to the Provost are examining specific areas covered by the

Perspective.

Dr. Eddy said that one such group is attempting to define areas of academic authority within the University to see how authority might eventually be delegated to

Other news of Trustee actions appears on pages 3-4

"where true responsibility lies." The goal is to free academic administrators — "beginning with the Provost" — to think more creatively.

The creation of leadership development programs is the focus of a second study group, whose members are concentrating especially on workshop training programs for department heads because of their major roles in the academic community.

Because the University now faces the reality, not the possibility, of a stable faculty, slowly growing older, and with the option opening in 1982 of remaining in active service to age 70, staff development programs must also be devised to help older faculty members remain "young, fresh, and vigorous." This problem is being studied by a third group.

A fourth is concerned with the improvement of decision-making skills. Its mission is to survey available information sources, information exchange and areas where gaps occur to determine just what administrators need to know in order to reach wise decisions.

Academic fund-raising is a fifth emphasis. "We are, without apology, adding fund-raising to the list of expectations of anyone in a leadership post

in the academic enterprise," Dr. Eddy said, adding: "Reality must be faced. It will be necessary if we are to close the gap which now exists and which threatens to continue between State support and student cost." Dr. Eddy pointed out that the Senior Vice President for Administration, Dr. Richard E. Grubb, and the Office of Gifts and Endowments are closely involved in this effort.

Because the proper balance between undergraduate and graduate education is crucial to the quality of the institution, this topic is being examined by a sixth study group. "We know that new knowledge almost always enters a field of study first through research productivity and then through the medium of graduate education," Dr. Eddy told the Trustees. "Finally it reaches and enriches the undergraduate curriculum. Our study group will wrestle with the problems of what we can afford and what we must afford if we are to maintain our standing as a research and graduate university, as well as undergraduate."

A seventh topic under consideration is the attracting and retaining of superior students. The Trustees, Dr. Eddy pointed out, had asked that the University recruit superior students but with the important proviso that Penn State not reduce its commitment to all qualified Pennsylvanians. Dr. Eddy noted that Penn State must stand "with honor" as both "a strong research university pursuing the outer limits of knowledge and as an egalitarian institution devoted to a large measure of direct vocational education in the form of associate degrees" and to the opening of opportunities for provisional students, where possible.

(Continued on page 3)

Penn Staters

Dr. Eugene J. Kelley, dean of the College of Business Administration, is president-elect designate of the American Marketing Association. He is to be president in 1982-83 of this Association of 27,500 members.

The first prize of \$16,500 in the Hartford Loss Prevention Competition has been presented to Dr. James P. Ignizio, associate professor of industrial engineering. Administered by the National Safety Council, the competition is aimed at stimulating new ideas and programs to improve safety in business and industry.

Dr. Ignizio's concept, called AMISS — Accident Mode Identification and Surveillance System — was selected from 1,300 ideas submitted. His plan employs a joint worker-management approach to identify and statistically analyze workplace hazards and to award an employee a percentage of the savings expected to accrue from eliminating the hazard he or she reports.

A member of the faculty since 1974, Dr. Ignizio is the author of three textbooks, two monographs and more than 120 papers in the area of operations research.

Dean Walter Walters of the College of Arts and Architecture was invited by the Ministry of Education and the Cultural Affairs Office of the Republic of China, Taiwan, to head a delegation of eight deans to participate in a Sino-American conference on the arts in Taipei Nov. 4-12. The government is preparing plans for an independent college of the arts and Dean Walters will serve as a consultant.

Three members of the Hershey faculty have been elected to office in their professional associations. Dr. Howard Morgan, Evan Pugh professor of physiology and chairman of the program, is president-elect of the International Society for Health Research and will assume his post in 1983. He is currently president of the American Section of the Society.

Dr. H. Arnold Muller, chief of the emergency medicine division, is vice president of the board of the American College of Emergency Physicians. Dr. William DeMuth Jr., professor of surgery, was selected as vice president of the American Association for the Surgery of Trauma.

Dean Donald Dickason of the Admissions Office is chairman of a joint task force of the National Association of College Admissions Counselors and the Association of College and University Housing Officers.

Dr. G. W. Brindley, professor emeritus of mineral sciences, was invited by the Illinois Department of the University of Illinois to deliver the Ralph E. Grim Lectures Oct. 28-30. Dr. Brindley spoke on "Aspects of Order-Disorder in Clay Minerals" and "Clay Mineralogy — A Multi-disciplinary Area of Science and Technology."

Bookshelf

Dr. E. Willard Miller, professor of geography emeritus and associate dean for resident instruction emeritus in the College of Earth and Mineral Sciences, and Ruby E. Miller, former map librarian at Pattee, are the authors of a bibliography entitled *The American Coal Industry: Economic, Political and Environmental Aspects*, published recently by Vance Bibliographies. With more than 900 references, the book offers a wide perspective on the human problems of the coal industry. The authors hope that their survey of American coal literature will provide a basis for better decisions in the evolution of a coal policy in the United States.

A new book by James P. McGettigan, assistant professor of physical education and soccer coach at Ogonitz, has been selected as "book-of-the-month" by the Physical Education Book Society.

The Complete Book of Drills for Winning Soccer, released by Parker Publishing Company, was cited by the Society as "the book that soccer coaches have been waiting for." It offers more than 250 illustrated drills, uniquely divided into skill drills, basic patterns, special situations, and training.

Mr. McGettigan has been soccer coach at Ogonitz since 1969. During that time his teams have won six Commonwealth Campus championships and 70 percent of their games. He is a former president of the Commonwealth Soccer Coaches Association.

A new textbook, *A Student Guide to Contemporary Physical Geology*, by Dr. John A. Ciciarelli, assistant professor of environmental sciences at the Beaver Campus, has been published by W.B. Saunders Company.

A member of the faculty since 1971, Dr. Ciciarelli is a graduate of the University of Notre Dame, with M.S. and Ph.D. degrees from Penn State.

25-year chairs



"I grew up in State College, and I've seen the town change from a tiny place where you knew everyone to almost a big city," says Warnock Dining Hall Supervisor Helen Haugh, who recently received a 25-year chair. "I have to get away and find some peace and quiet every year."

So for the past 25 years, Miss Haugh has taken a leave of absence from her job and driven to Alaska for the summer.

Four years ago, she began building her retirement home in that state on the five acres she owns on the Kaslof Peninsula. "I did most of the work myself," she says, "except for the really heavy stuff. I had to have someone come in and drill the well for me."

Miss Haugh discovered Alaska while employed by Stouffer's Corp., the company she worked for after graduating from Penn State in 1952 in hotel administration. A friend who was living in Alaska invited her to visit, and Miss Haugh was so tempted she quit her job and headed North. She spent a year working in a salmon cannery before deciding to return to State College to locate a better paying job.

In 1955, Miss Haugh became an assistant food supervisor in Waring Dining Hall. She moved to Pollock Dining Hall in 1961 and in 1964 was made dining hall supervisor of Warnock. Her duties include making certain that 21 meals are served each week of the term, requisitioning food and supervising the staff.

Miss Haugh has been a skier for 40 years and is the leader of the Penn State Ski Patrol covering Bald Knob and Black Moshannon Areas. She is an avid whitewater canoeist and enjoys running the Red Moshannon River. She says she is able also to paddle the Kaslof River which runs through her land in Alaska.

Miss Haugh has her pilot's license, and although she hasn't flown for many years, she is still a member of the Civil Air Patrol.

When lead electrician William B. Gill received his 25-year chair, the Office of Physical Plant didn't have to look beyond the University's Faculty-Staff Directory to issue invitations to his family for the ceremony.

Mr. Gill's wife, Lela, is a clerk in Warnock Hall. Their two daughters, Mary Elizabeth Hosband, and Dorcas Ruth Holt, also work for the University. Mrs. Hosband, who earned an associate degree at the University, is a secretary in Kern; Mrs. Holt is a secretary in Human Development.

Mr. Gill started out as a stockroom man with Food Services, held the same position with the Air Force ROTC, and finally came to Maintenance and Operations in 1967.

Carpoolers

Adair Shildt is seeking a ride from Tyrone, leaving at 9 a.m. or 9:30 a.m. and returning at 7 p.m. Phone 865-1991 or 684-0643.

Patricia Hajzak needs a daily ride from Osceola Mills or Philipsburg, to arrive for work at 6:30 a.m. and leave campus at 3 p.m. Phone 865-1991 or 339-6075.

Retirement

Jeanne M. King, a secretary who joined the staff of the College of Arts and Architecture April 25, 1972, retired Oct. 18.

Obituaries

Dwight E. Younkun, professor of animal science extension, died Nov. 4 at the age of 54.

Professor Younkun, a member of the faculty of the College of Agriculture since 1953, held two Penn State degrees in animal husbandry, a B.S. earned in 1951 and an M.S., in 1953.

Simpson studies one of logic's major theorems

A mathematical logician at the University is working on improving one of logic's major theorems by making it more relevant to the traditional concerns of mathematicians. Stephen G. Simpson, an associate professor of mathematics and a recent recipient of a \$20,000 Sloan Fellowship, is dealing with fundamental mathematical and philosophical concerns in his research.

Dr. Simpson is studying Godel's Theorem, a discovery made in 1931 by the late Kurt Godel, a German logician who eventually emigrated to the United States and worked at the Institute for Advanced Study in Princeton. The theorem states that in any mechanical system of axioms and rules for mathematical reasoning, there will be undecidable propositions of a finite combinatorial nature. In other words, if one is given a system S with a specific set of rules, a great many concrete propositions P can be produced that will make sense within S, but their truth or falsity cannot be determined within S. Godel produced one specific example of such a proposition P. Roughly speaking, Godel's proposition P says that the mechanical system S is free of internal contradiction.

As far as Dr. Simpson is concerned, S has provided a reasonably good model of mathematical reasoning, but P presents problems. "Godel's proposition is artificial because it is a purely logical statement without clear mathematical content," he says. "The statement that S is noncontradictory fails to have any direct relevance to the traditional concerns of mathematics — such as calculus or the theory of numbers."

In his work, Dr. Simpson hopes to be able to discover undecidable statements P whose content will be closer to practical

Anybody There?

In a large and geographically dispersed University such as ours, members of the community are sometimes unaware of colleagues who may be telling in fields either similar or adjacent to their own.

We hope this new column will encourage faculty and staff members to write in:

- (1) to discover if anyone is working in a similar area,
- (2) to invite people to work on a common problem,
- (3) to seek specific knowledge, expertise or information.

Queries directed at kindred researchers should be sent to INTERCOM, Room 312 Old Main. We will publish them upon receipt. Please be specific and include your phone number or the address where you wish to be contacted.

A livestock specialist, he was honored last month by the Pennsylvania Livestock Association as Livestock Man of the Year. Earlier, he had received the award of the Pennsylvania Cooperative Swine Breeders Association.

Claude A. Dutrow, an agronomy technician in the College of Agriculture from 1959 to 1969, died Nov. 3. He was 76.

Promotion

Faculty

Thomas W. Leigh to assistant professor of marketing.

Funding Sources

For further information, call 865-1372

(349-1) The White House Fellowship deadline has been extended from Nov. 17 to Dec. 1, 1980, since few applications had been received. Up to 20 fellowships will be awarded for service as special assistants to the President, Vice President, and Cabinet Officers for one year starting Sept. 1, 1981. Salaries are commensurate with present position. The program is aimed at persons in the early stages of their careers. Call 202-653-6260 for applications. (Ref. ACE/HEN)

mathematics. According to Dr. Simpson, recent work in this area has resulted in the discovery of P statements that are closely related to graph theoretical and sequential convergence problems.

Mathematical logic deals with the foundations underlying all mathematics, but it has important implications for deductive philosophy as well. Mathematical logic asks the questions: Are there limits on mathematical reasoning? Can it predict everything? These are questions that also concern philosophers.

"Math is a paradigm of exact reasoning," Dr. Simpson says, "and philosophers are interested in this. They want to know if precise answers are possible. Math can be used as an example for philosophers to study these questions."

In particular, Godel's Theorem has attracted attention — as a paradigm — from philosophers. So far, mainly analytical philosophers have expressed interest in the theorem, but Dr. Simpson feels that the theorem should attract attention from epistemologists. Epistemology is the branch of philosophy which seeks to answer the questions: What do we know and how do we know it? "Godel's work tentatively suggests that, although the human intellect is limited at any given time within any given level of abstraction, at least some of the practical limitations can be overcome by passing to higher levels of abstraction," Dr. Simpson points out.

Dr. Simpson is not the only mathematician who is working on Godel's Theorem. One of the leaders in this field is Harvey Friedman, a professor of mathematics at Ohio State University. Dr. Friedman will be a visiting professor in the University's Department of Mathematics during Spring Term 1981.

From the Trustee Docket

(Continued from page 1)

New approaches to identifying and attracting women and minority group members, not only for faculty positions but also for leadership roles in the academic administration, are the concern of the eighth study group appointed by the Provost.

In his address, Dr. Eddy pointed out that one over-arching problem for Penn State will be the handling of change.

"Penn State, like most institutions and communities, has a culture of its own," he said. "Its location, its size, its professional orientation, for instance, all contribute to its willingness, or sometimes reluctance, to adapt to changing circumstances and to inescapable forces from the world beyond Penn State."

"In today's rapidly changing educational environment," Dr. Eddy cautioned, "the alternative to institutional ambition — to aggressive adaptability and flexibility — is stagnation."

"If we stand still at Penn State, by standing still we fall backward."

University will not acquire school property located on periphery of Behrend

After several careful studies, the University has decided not to acquire or lease the property of the St. John Kanty Preparatory School in Erie.

"Because of urgent space and related programmatic needs of Behrend College, the University has been attempting during the last decade to obtain State funding for major buildings on the campus," President Oswald told the Trustees. "To date, however, we have been unsuccessful."

"Thus, when the Kanty property became available on the periphery of Behrend, several careful studies were made, including reviews of classroom requirements, demographic factors affecting future Behrend enrollments, curriculum and the need for faculty research space. The purpose was to determine whether the potential space would meet the short- and long-term needs of the campus."

Dr. Oswald further noted that the University, in addition to Behrend's needs, studied the status of the buildings and the needs involved.

"After much discussion and consideration," he added, "it was the general consensus of key administrative staff members that the Kanty property, while meeting some of the short-range needs of Behrend, would not meet the longer-range needs."

In a written statement submitted to the Trustees, there was further noted another distinct disadvantage involving distance. The Kanty and Behrend property lines share a contiguous corner, but the centers of the two sites are approximately one mile apart by path or three miles by county roads.

"Duplication of certain student services would be costly and scheduling of the academic curriculum utilizing the two locations not only would be awkward, but would involve also costly movement of faculty and students back and forth between the two locations," the report stated. "Development of the educational program on the campus would be difficult to accomplish effectively in separated sites rather than all buildings being on one site."

In a discussion of the matter before the Board, Dr. Oswald emphasized that, although the University will not be acquiring the Kanty property, "the needs of Behrend for both program development to meet student interests and for classroom and research space are pervasive and represent an urgent and justified demand upon University resources."

"In Penn State planning for Behrend College, there must be the recognition that Behrend is unique among all Penn State campuses."

The statement to the Board underscored the uniqueness of Behrend as a small, four-year liberal arts college within the Penn State system. Because of this uniqueness, it added, a study on housing is needed, even though the University has resisted recent construction of residence halls on its campuses.

The report noted that the University will continue to look for solutions to Behrend's space problems. In this regard, it emphasized that:

"Capital funds for construction of academic and student service buildings in mid-campus are badly needed to meet current enrollments and programs. These would include funds for classrooms, research space, and possibly student housing."

"While we must continue to seek State funds, it is our intention to proceed as we have done with other campuses with regard to matching gift funds, and to explore other possibilities...."

"It is the University's commitment to do its best to resolve through other means Behrend College's fiscal needs, operating and capital, for generations of students to come."

Changes reported in undergraduate programs

The Trustees were informed of several changes in undergraduate programs to take effect beginning with Fall Term 1981.

An electronics option in the physics major of the College of Science will be offered instead of what has been called the option in electrical engineering.

"The new name will reflect more accurately the program's content and will add prospective students in seeking the appropriate program," said Dr. Robert E. Dunham, vice president for undergraduate studies.

The name change was made, he added, to avoid confusion with the major in electrical engineering offered through the College of Engineering.

Dr. Dunham also announced that the major in biophysics in the College of Science will now be called a major in molecular and cell biology to reflect more accurately the academic emphasis of the program.

The major deals with the study of living systems and their components at the molecular, genetic and cellular levels. Dr. Dunham said the interest in living systems, DNA studies, gene cloning, developmental regulation and hormonal control is being reflected in student interest in the major.

Three options have been created within the geography major in the College of Earth and Mineral Sciences. They are cartography and remote sensing, physical geography and the general option.

"Previously," Dr. Dunham reported, "this major did not specify options and the changes have been made to add coherence to the existing offerings."

The cartography and remote sensing option will prepare students for positions in mapping agencies or for advanced degree study in that specialization.

The physical geography option provides a broad understanding of the earth and environmental sciences in preparation for careers in industry, commerce and government.

The general option is for students who wish to explore an array of topics in the geographic field and who wish to pursue postgraduate study or who want to emphasize a topic for which no option exists.

"This action affects only the geography major in the College of Earth and Mineral Sciences," Dr. Dunham added. "The major in geography leading to a bachelor of arts degree within the College of the Liberal Arts is not altered in any way."

Fall term enrollment climbs to 55,661

The University's Fall Term enrollment totals 55,661 students — a record for the second consecutive year.

"This year's enrollment exceeds the 1979 record by 1,694 students," Provost Eddy said in reporting the final student count to the Trustees.

"New records were set also for the University Park Campus, the Commonwealth Campus system and the Hershey Medical Center," Dr. Eddy added.

The University Park total of 32,704 represents an increase of 743 over last fall, while the Commonwealth Campus enrollment of 17,755 is 941 more students than last year.

Other enrollment totals are: Hershey, 567; Behrend College, 1,796; Capitol Campus, 2,370; and the Radnor Center for Graduate Study, 469.

Individual Commonwealth Campuses which set new enrollment records were: Altoona (1,980 students, up 173); Berks (939, up 91); DuBois (634, up 38); Hazleton (1,124, up 92); Ogontz (2,305, up 151); Worthington Scranton (974, up 29); Shenango Valley (913, up 42); and York (1,015, up 63).

"The University's enrollment picture continues to be bright," Dr. Eddy said. "This fall's performance is the result of a combination of more aggressive recruiting and an emphasis on quality in programs, leading to a higher student retention rate."

Foreign studies program established at Nice

A new foreign studies program with the University of Nice in France will be available to Penn State students who have business or combination French/business majors, starting in Fall Term 1981.

"This imaginative, new opportunity for Penn State students is another dramatic illustration of the results of cooperative planning between and among colleges and departments," Provost Eddy observed.

The program has three goals: to enhance the French language proficiency of its participants, to expose students to the perspectives and philosophies of contemporary European business relationships, and to promote an awareness and appreciation for the historical background and humanistic heritage of western Europe, specifically French and Mediterranean culture."

There will be two programs: Nice I, offered for 12 weeks, for students from the College of Business Administration with little or no proficiency in the French language, and Nice II, a 20-week Fall and Winter Term program offered entirely in French for students with the combination French/business major offered through Liberal Arts.

About 15 to 20 students are expected to enroll in each program.

Sketch plans receive approval of Board

Sketch plans for a particulate emission control system to be installed at the West Campus Power Plant at University Park received approval from the Trustees.

"The plans call for a fabric filter collection system — or 'baghouse' — to remove particulate matter from the power plant emissions," Ralph E. Zilly, vice president for business, told the Trustees.

"These improvements will bring the University's boiler plant into full compliance with State and federal clean air standards."

Mr. Zilly said the fabric filter system will be housed in 59-foot-by-100-foot metal frame building behind the Burrows Road power plant.

"The new building will be erected behind a brick wall, which will be designed to fit in with existing architecture," he added.

A brick smokestack, approximately 200 feet high also will fit in with existing

structures, Mr. Zilly stated. He noted that all dimensions of the building and smokestack are pre-determined by State and federal environmental regulations.

The sketch plans approved were designed by United Engineers and Constructors Inc. Final phase of construction on the filter system is expected to begin next summer and proceed through several phases before completion in March 1984.

Estimated cost of the project is \$6,695,000.

Continuing Education enrollments at record level

Enrollment in all courses conducted by Continuing Education set a record during the 1979-80 academic year, according to Daniel T. Hopkins, CE's acting vice president.

"Total individual enrollment was 135,791," Mr. Hopkins said. "That exceeds by several hundred the number of persons served by Continuing Education in 1972-73, which was the next highest total."

For the 10th consecutive year, enrollment in non-credit courses increased with a record 92,669 students participating. Enrollment in credit courses was 24, 291, and students taking independent study by correspondence numbered 15,834.

Mr. Hopkins also noted an increase of more than 600 in the number of organizations served by Continuing Education. The total for the year was 14,812, including 8,015 business firms and 2,686 schools and school districts.

Other increases were recorded in the community services offered by Continuing Education such as radio and television productions.

The Pennsylvania Technical Assistance Program (PENNTAP), in its 15th year of operation at Penn State, helped business, industry and local governments achieve economic benefits amounting to \$5.5 million in 1979-80. PENNTAP responded to 2,325 technical questions and problems during the year.

Mr. Hopkins also reported growth in the activities of audio-visual services. More than 63,000 films and other media were distributed, a 7.3 percent increase over last year.

Among the innovative programs conducted through Continuing Education during the year were:

— A 60-minute news, feature, and comment television program entitled "Pennsylvania," produced by the Division of Broadcasting and aired statewide on the Pennsylvania Public Television Network.

— A comprehensive instruction program for Pennsylvania State Police responsible for school bus inspections.

— A seminar at Capitol Campus called "Three Mile Island One Year Later: What Have We Learned?" for persons interested in the reactions of the news media, institutions, industries and community members affected by the nuclear incident at the Three Mile Island reactor.

— A program on radiation and health conducted through the College of Medicine and the College of Engineering for 276 representatives of local, state and federal government; educators; health professionals; environmentalists and interested individuals living near the Three Mile Island reactor.

Award funds announced

The Trustees were notified of the establishment of a number of scholarship and award funds. They include:

— A Boyd C. Gartley Memorial Scholarship to recognize agricultural education students interested in agricultural journalism, with an initial principal of \$10,000. A gift contribution from the Inter-State Milk Producers Cooperative, Inc., the fund honors the memory of the late Boyd C. Gartley, a 1941 graduate of the University in agricultural education, who was director of public

(Continued on page 4)

(Continued from page 3)

relations for the cooperative.

A Hum Fishburn Memorial Scholarship to recognize student service to the University's Blue Band program. The initial principal of \$5,000 was received from the Blue Band Record Fund and as gifts from Blue Band alumni. The fund honors the late Dr. Hummel Fishburn, a Penn State alumnus who was joint head of the Departments of Music and Music Education. He was also a director, show designer and announcer for the Blue Band.

— The Robert C. and Dorothy P. Dixon Scholarship to assist students in the Penn State Scholars program. The \$5,000 initial principal has been received from the estate of the late Robert C. Dixon of Pittsburgh, an Arts and Letters major in the Class of 1926.

— An M. M. Garver Fund to defray expenses for speakers in the annual Priestley Lecture Series. The initial principal of the fund, more than \$1,645, is derived from donations made by students and faculty in 1928. Named after a late associate professor of physics, the original gift was invested — with earnings returned to the principal — but never utilized.

A Middle East Foreign Studies Grant to give financial help to students taking part in a foreign studies program in the Middle East. The initial principal of \$1,500 will be donated by Dr. Arthur Goldschmidt, associate professor of history at the University, from royalties from his book, *A Concise History of the Middle East*.

— The Doris Hughes Memorial Award to recognize outstanding international students at the Capitol Campus. More than \$1,500 was contributed by friends and family of the late Doris Hughes, an administrative aide at Capitol.

— A DuPont Polymer Science Award to recognize annually a junior polymer science major for academic excellence, created with an initial principal of \$1,500 contributed as part of the DuPont Polymer Science and Engineering Grant.

— A Tencoco Oil Exploration and Production Scholarship to assist students in the petroleum and natural gas field. The Tencoco Oil Exploration and Production Co. of Houston, Tex., will contribute \$1,000 annually to finance the scholarship.

Construction financing approved by Board

Interim financing of six construction projects through bonds to be issued by the Centre County Higher Education Authority was authorized by the Board of Trustees.

"All of these projects have been fully approved by the Board of Trustees at a previous meeting," Robert A. Patterson, senior vice president for finance and operations, said. "They are in various stages of construction. In one case, the work is completed."

The projects involved are:

- Seating expansion at Beaver Stadium, completed last summer.
- Construction of the indoor sports complex, scheduled for completion in April 1981.
- Hetzel Union Building food service and bookstore renovation, now under way.
- Applied Research Laboratory addition, now under way.
- Construction of waste water treatment system testing equipment, now under way.
- Construction of new clinical sciences wing at the Milton S. Hershey Medical Center, now under way.

Mr. Patterson said the financing of the construction projects will be handled through the Centre County Higher Education Authority, because the unit offers the opportunity for the lowest obtainable interest rates. By effecting a series of leasing arrangements between the University and the Authority, the Authority will be entitled to issue self-liquidating bonds.

Rents paid by the University will be equal to the amounts needed to pay off the bonds over a period of years, he said.

"This method of financing offers the most economical vehicle available for projects of this type," Mr. Patterson told the Trustees.

The Centre County Higher Education Authority was formed in 1979 to finance certain Penn State capital construction projects at minimum cost.

Hershey agreements approved

Affiliation agreements between Hershey's College of Medicine and Centre Community Hospital and Hanover General Hospital were approved by the Board.

Under the pacts, medical students will be able to choose these hospitals for elective clinical clerkships, and a variety of hospital staff members will be able to attend co-sponsored continuing education programs.

Centre Community and Hanover General become the 17th and 18th hospitals with which the Medical Center has affiliations.

Wilkes-Barre auditorium named for George Bierly

The auditorium in the Laboratory Building at the Wilkes-Barre Campus has been named the George W. Bierly Auditorium, in honor of the Campus's director emeritus, who retired Oct. 1.

"During George Bierly's 25 years as director, the Wilkes-Barre Campus became a leader and innovator in many areas of higher education," President Oswald told the Board of Trustees, who approved the action.

As director, Mr. Bierly was instrumental in obtaining the gift of the 50-acre site in Lehman Township which enabled the Campus to move from a crowded urban facility to its present location with attractive grounds and room for expansion.

Under his directorship, the Wilkes-Barre Campus's academic offerings have expanded to include more than 120 bachelor's degree programs and more than a dozen associate degrees.

Search committee

(Continued from page 1)

- officer responsible for personnel, programs, and resources at either departmental or college level.
2. A terminal degree in an appropriate discipline or professional field is preferred.
3. A demonstrated commitment to educational programs which cross the boundaries of disciplines, departments, and college.
4. A demonstrated ability to provide academic leadership, organize tasks, supervise people, and manage funds.
5. Evidence of scholarship, research and professional activity.

Candidates should be available by the summer of 1981. Nominations and letters of application (with resume) should be postmarked by Jan. 31, 1981, to: Dr. Godbey as chairman, HPER Dean Search Committee, The Pennsylvania State University, 205 Old Main, University Park, PA 16802.

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Calendar

Nov. 13-22

Special Events

Thursday, Nov. 13

Kern/WPSX-TV, *Cosmos* series, "The Backbone of Night," noon, Kern Lobby. School of Music Common Hour, student performances, 1 p.m., Music Bldg. Recital Hall. English/AHS, poetry reading by five Bulgarian poets, 3 p.m., Rare Books Room. Pattee URTC, *Sly Fox*, 8 p.m., The Playhouse.

Friday, Nov. 14

Last day to sign Fall Term Emergency Loans. Room 106 Shields. Last date to submit petitions to Records Office to graduate in absentia in November. Early registration for Winter Term, 8:30 a.m.-4:30 p.m., Room 112 Shields. Also Nov. 17-20.

Shaver's Creek Nature Center, overnight "Adventure Program" for children 8 and older. Preregistration required, 865-1851 Commonsplace Theatre, *Man of La Mancha*, 7 and 9 p.m., Room 112 Kern. CSA Film, *The Magus*, 7 and 9 p.m., Room 10 Sparks.

SFO film, *Summer of '42*, 7 and 9 p.m., HUB.

Assembly Hall. Sports: soccer vs. Towson State, 7:15 p.m. URTC, *Sly Fox*, 8 p.m., The Playhouse.

Saturday, Nov. 15

Fall Term classes end, 12:25 p.m. Commonsplace Theatre, *King of Hearts*, 7 and 9 p.m., Room 112 Kern. CSA Film, *The Magus*, 7 and 9 p.m., Room 10 Sparks.

URTC, *Sly Fox*, 8 p.m., The Playhouse.

Sunday, Nov. 16

Commonsplace Theatre, *King of Hearts*, 7 and 9 p.m., Room 112 Kern. CSA Film, *Man of La Mancha*, 7 and 9 p.m., Room 10 Sparks.

Monday, Nov. 17

Final examinations, through Nov. 21. Commonsplace Theatre, *King of Hearts*, 7 and 9 p.m., Room 112 Kern. Color Slide Club meeting, 7:30 p.m., Room 189 MRL.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 473-1387). Applications for these staff vacancies will be accepted until 5 p.m., Nov. 20, 1980. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran. PURCHASING ASSISTANT, APPLIED RESEARCH LABORATORY. Responsible to the Manager, Purchasing and Subcontracts, for expediting open purchase orders, routine purchasing and informal file maintenance. Expedite quotations and information requests for the acquisition of surplus equipment from Government inventories. Assist in Shipping/Receiving area at associate. Required degree or equivalent, plus one to two years of effective experience in purchasing, expediting, accounting, or related field.

STUDENT UNION MANAGER/ACTIVITIES COORDINATOR, Behrend College. Responsible to the Dean of Student Affairs, Behrend College, for the supervision and program direction of The Behrend College Student Union and the coordination of student organization activities and programs. Master's degree or equivalent in student personnel or related field, plus one to two years of effective experience in student union management and/or student activities coordination.

ADMISSIONS AND STUDENT RECORDS COUNSELOR, Behrend College. Responsible to the Admissions Office for tasks related to admissions and for proper development and maintenance of associated records, systems and procedures. Interviewing, screening and making preliminary admissions decisions for non-degree, advanced standing and undergraduate residents; instructing students; and providing substantive responses to parents and prospective students requesting information about academic programs and degree requirements. Travel and the presentation of recruiting programs are also required. Bachelor's degree, plus one to two years of effective experience in an academic environment, or a master's degree or equivalent in student services and up to one year's experience.

Tuesday, Nov. 18

Adult Education-Brown Bag Luncheon, 12:30 p.m., Room 101 Kern. Discussion of "Literacy, Poverty and Social Control."

Thursday, Nov. 20

Kern/WPSX-TV, *Cosmos* series, "Journeys in Space and Time," noon, Kern Lobby.

Saturday, Nov. 22

Sports: basketball (exhibition), "Athletes in Action," 8:10 p.m.

Seminars

Friday, Nov. 14

Analytical Chemistry, Digna Cipris, Allied Chemical Corp., on "Carbon Monoxide in Electroorganic Synthesis," 11:10 a.m., Room 333 Whitmore. Mathematics, Stephen Milne, Texas A&M, on "A Rogers-Ramanujan Bijection," 4 p.m., Room 104 McAllister.

Friday, Nov. 21

Analytical/Physical Chemistry, Dale Holecck, Shell Oil Co., on "Solid State N.M.R.," 11:10 a.m., Room 333 Whitmore.

Exhibits

Chambers Gallery: Ralph Rautf, painting and photographs; Ray Wilkins, drawings; Paolo Soleri, windbells, all through Nov. 15.

HUB: Richard L. Crowley, st.

photographs and clocks; "80 years of Political campaigns," campaign buttons and memorabilia from the private collection of Ernie Weidhass, Art Alley. Mary Cady Rubinstein, recent prints, The Browning Gallery. Lanny Sommes, color photographs; Ron Gallat, ceramic sculpture, The Gallery. All exhibits through Nov. 15.

Kern Gallery: "Art of This Decade - 1980," and David Weland, wooden boxes, both through Nov. 21. Ann Deering, ceramics, through Nov. 20.

Museum of Arts: European paintings, contemporary prints and 18th-20th century works from the permanent collection; The Art of the Needle.

Pattee Library: Mac Levey and his students, photographs. East Corridor Gallery, Kevin Barr, paintings, Lending Services Lobby. Nathan Goodson, glassware, Main Lobby.

From the Press

Other Summers: The Photographs of Horace Engle. By Edward Leos. 170 pages. 100 illustrations. \$19.75.

While he was a professor of journalism at the University (he retired in 1978), Mr. Leos was told by a student of the discovery of some old family photographs. Investigation revealed a body of work by a previously unknown photographer, Horace Engle, a not particularly successful mineral consultant, explorer and promoter who had worked for a year with Thomas Edison. Engle's striking circular images, some of which were uncovered in a corn crib, were made by using a Buttonhole, Vest, or Gray-Stirn Concealed Vest Camera, known in its day as a "detective camera."

Mr. Leos devoted nine years to reclaiming Engle's images — the majority defaced by exposure to weather, vermin and mould. In addition to the Gray-Stirn photographs, he found a number made with No. 2 and 3A Kodaks. He has also prepared a biography of the photographer. "With any camera Engle seeks the significant moment," Professor Leos says. "His concern for nuances of tone, gradations and texture is grounded partly in the desire for the most efficient expression of that moment, but it is also revealing as the record of his subject itself. Engle documents how he sees."

The book contains a number of telling portraits, as well as scenes of life in Pennsylvania and Virginia towns taken during the late 19th and early 20th centuries. In his efforts to catch his subjects in candid postures, Engle was many years ahead of his time, Mr. Leos comments.

Penn State Intercom

News in Brief

University's holiday recess will save energy costs

The decision to add three days to the University's holiday recess, announced earlier this month by President Oswald, will increase the amount of energy costs avoided at University Park alone to approximately \$124,500.

"Adding Dec. 22 and 23 and Jan. 2 means we actually gain seven extra days of reduced temperatures and ventilation in campus buildings," Ralph E. Zilly, vice president for business and chairman of the Executive Energy Conservation Committee, reports.

"University Park buildings may be used by members of the faculty and staff during the break," he said, "but temperatures will be kept between 50 and 60 degrees Fahrenheit and ventilation will be off." Provisions will be made to protect animal quarters and other critical areas from dangerous fumes and lowered temperatures, he added.

The Executive Energy Conservation Committee (EECC) will review all requests for exceptions to the reduced temperature and ventilation plans. Requests should list specific days and times of day when the exception is desired, and they should be endorsed by the appropriate dean or administrative officer.

The committee will review all requests received by Dec. 9, Mr. Zilly said.

"We expect that adequate planning by individuals will reduce the number of requests for exceptions significantly as compared to last year," he commented.

At campuses other than University Park, requests for exceptions will be reviewed by the appropriate provost, director or administrative officer.

At a recent meeting, EECC reaffirmed its long-standing policy of prohibiting the use of electrical holiday decorations in University buildings.

Parking regulations changed for November 28

Parking rules and regulations at University Park will be modified to allow any area parking for faculty and staff on Friday, Nov. 28. However, vehicles still must be parked in bona fide parking spaces, and regulations concerning individual reserved parking spaces will remain in effect.

Incoming football traffic patterns for the Penn State-Pitt football game will be put into effect at approximately 9:30 a.m. and could create inconveniences for those attempting to depart the north and east sections of campus before 3 p.m. when the traffic patterns are reversed.

Parking lots at Shields Building and Wagner Building will be closed. Curtin Road in front of Shields and Wagner Buildings from University Drive to Shortlidge Road is a pedestrian walkway during home football games. Parking lots at East Halls, which can be entered from University Drive only, should not be used unless the vehicle is to remain until traffic patterns change at 3 p.m.

The football game will begin at 1:10 p.m. and is expected to end at about 4:30 p.m. Heavy traffic to and from the game is anticipated.

Overnight parking banned on most University lots

Overnight parking will be prohibited in most University lots from Dec. 1 through March 15, according to Allan A. Derzak, University parking coordinator.

"The winter parking regulations are designed to ensure that lots are clear of

vehicles so that snow removal crews can work efficiently in the event of snow," he said.

Signs stating, "no parking 2:30 a.m. to 6 a.m.," will be posted at the entrance of lots affected. The regulation will be in effect whether or not any snow is on the ground.

Lots where overnight parking will be banned include: Red A, B, E, F, G, H, K and M; Green B, C, D, E, F, G and L; Yellow A, B, C, E, F, H, K, and L; Brown A, D, F, G and J; Blue A, D, F, G and K; Orange A, B, D, E, F, H, L and M.

The Keller Conference Center parking area, visitor parking areas and the nursing education patient unloading area are also off limits to overnight parking.

Overnight parking will be permitted in areas not posted for snow removal, but vehicles must be moved by 7 a.m. if the area is not an open lot, Mr. Derzak says.

Open lots not posted for snow removal include Blue E, near the Computation Center; Red C, the gravel lot near the Foods Building; and Orange F, near the football practice field.

Genetics fall symposium

"The Genetics of Development" is the topic of the annual fall symposium of the Intercollege Graduate Program in Genetics, to be held Wednesday, Dec. 3, from 1 to 5 p.m. in Room 112 of the Kern Graduate Building.

Presenting talks will be Richard M. Losick, professor of biology at Harvard University; John G. Scandalios, professor and head of the Department of Genetics at North Carolina State University; and John Gearhart, associate professor of anatomy at the University of Maryland's School of Medicine.

Sponsorship of the symposium is being shared by the Department of Biology, the Department of Microbiology, Cell

Biology, Biochemistry and Biophysics and the Intercollege Graduate Program in Genetics.

Christmas trees available

The Penn State Forestry Society will once again provide Christmas trees for departments or for faculty and staff members wishing them for home use.

Trees may be reserved by calling Karen Kniesly at 865-4237 Monday through Friday, 8 a.m. to 5 p.m. The trees are Douglas firs, and will range in size from 5 to 9 feet. There is a set price of \$14 per tree, and callers are asked to specify the size desired when they order.

Payments for trees ordered by departments should be made through Interdepartmental Transfer on delivery. Trees for personal use can be paid for by check, made out to the Penn State Forestry Society.

Deliveries will be made Dec. 7 through Dec. 13.

Third annual ethnic fair held at New Kensington

Approximately 8,000 persons visited New Kensington Nov. 8 and 9 to attend the third annual Ethnic Fair held at the Campus.

They sampled homemade delicacies ranging from lasagna and barbecued ribs to halupka and strudel. Intricately patterned Ukrainian Easter Eggs were on display for viewers in the Campus's art gallery, along with exhibits of Czechoslovakian glass and Irish Belleek china.

Several performing groups — among them kilted Scottish dancers and a Slovene band — performed, and there was a full evening's entertainment put on by I. Campagnoli, the national touring company of the Italian Sons and Daughters of

(Continued on page 3)

University Faculty Senate discusses conversion to semester calendar

Conversion from the term to an early semester calendar will not cause an increase in tuition or a reduction in faculty salaries, according to a statement prepared by President Oswald and issued as a door handout at the University Faculty Senate meeting on Nov. 11.

Responding to questions raised by Senate Council, the President made available his views on these and several other issues before the Senate began its special forensic session on calendar conversion. Dr.

Oswald noted that:

- (1) The total tuition for an academic year will not increase as a function of a calendar change.
- (2) There will be no reduction in any individual faculty salaries as a result of a calendar change.
- (3) Authority to approve or alter academic curricula or courses will remain with the academic departments and colleges and the Senate. "There is and will be no administrative requirement that the faculty teaching load under a semester calendar have a particular arithmetical relationship to current load," Dr. Oswald pointed out, adding, "It is erroneous to assume that a current load of two (2) three credit courses per term must automatically result in three (3) three credit courses per semester. Instead, the academic departments of the University will have every

opportunity to reexamine and restructure the degree programs and the service functions so that the educational needs of our students are met."

- (4) There is no reason to assume that calendar conversion would have a direct effect on current policy encouraging Commonwealth Campus students to complete two baccalaureate years at their campus of entry whenever possible.

The President also offered examples of an early semester calendar for the years 2000-2001. Students would arrive for Fall Semester on Aug. 22, and classes would begin Aug. 28, breaking on Labor Day and for a Nov. 23-25 Thanksgiving holiday. Classes would end Dec. 13, and would be followed by an exam period lasting through Dec. 20 and a midwinter recess from Dec. 21-Jan. 9.

Spring Semester classes would begin Jan. 15. A holiday break would occur March 17-25, and classes would end May 4, with exams May 7-11.

Two 50-minute class meeting schedules were also included in the handout. (See box on page 4.)

In a brief statement to the Senate, the President noted the extent to which faculty input has helped direct the calendar review process. "I want you to know," he continued, "that today I am a listener and not a speaker. Forums are the heart of the University process; today I am privileged

to listen to the many voices that represent our academic community."

Reports were presented by representatives of ten Senate committees which had considered the effects of calendar conversion in their areas of responsibility. Their comments ranged from Frank Mallette (Academic and Physical Planning), who noted "no insurmountable obstacles; practical solutions can be visualized for all problems known to us" to John D. Martz (Research), who said, "...we are obliged to state our concern over the potential damage to the climate for research."

President Oswald has announced that he will be glad to receive recommendations on calendar conversion from faculty and staff members, as well as students, throughout November and December.

Dr. Mallette and his fellow committee members urged the appointment of a full-time, high level administrator to handle a conversion and noted that the process could "only be justified if all University systems are thoroughly examined and modified as appropriate."

Robert W. Carrubba (Curricular Affairs) added his belief that a conversion would provide departments with a unique opportunity to reconsider all of their offerings.

Carter Ackerman, representing Commonwealth Campuses and Continuing Education, presented a list of "Benefits" and "Liabilities," the latter echoing the concerns of several faculty members from the York Campus (Leonard Berkowitz, John Dawson, and Robert Himmer) who addressed the session.

Among the issues which they raised were lack of flexibility and monotony in faculty workload scheduling, the possibility of faculty teaching responsibilities reducing time available for research; less flexibility for students needing to earn money while in school; and increased demands for early transfers from the Campuses to University Park.

Problems of reduced flexibility were raised also by a number of Senate committees such as Admissions, Records, and Scheduling and Intra-University Relations. Speaking for the Libraries Committee, Philip Klein said that the effect of calendar conversion would put a severe burden on the Libraries' already strained facilities.

Faculty workload was a leading concern of many speakers. Richard McCarl, chairman of Undergraduate Instruction, noted this in his Committee's report, although he said that the Committee "could live with either calendar."

Reporting on a poll taken in the College of the Liberal Arts, Marylee Taylor called the question of teaching load "crucial." A

(Continued on page 4)

Penn Staters

Dr. Paul T. Baker, head of the Department of Anthropology, recently acted as the U.S. convenor and chairman of a joint French-United States seminar entitled "Man and His Environment at High Altitude." The seminar was hosted by the College de France and its results will be published by the French Centre National de la Recherche Scientifique. In addition to the French and American invitees, participants included UNESCO-sponsored scientists from the Peoples Republic of China, Nepal, Chile, and Great Britain. While in Europe, Dr. Baker presented invited lectures at the Universites of Pau, Aberdeen, and Newcastle-upon-Tyne. He also presented a paper entitled "Food and Nutrition in the Andes" as part of a conference on The Anthropology of Food and Nutrition held at the Werner-Reimers Stiftung Conference Center in Bad Homburg, West Germany.

Dr. Joseph K. Puthenpurayil, associate professor of chemistry at McKeesport, has been invited to serve on a review panel for the National Science Foundation's Pre-College Teacher Development in Science program.

Three members of the Cooperative Extension Service staff have been named recipients of Distinguished Service Awards presented by the National Association of Extension 4-H Agents. Honored "for outstanding achievements in youth programming" were Mae D. Bleiler, Berks County Extension home economist; Carroll L. Howes, associate State 4-H program director at Penn State; and Jered K. Tyson, Adams County Extension agent.

Dr. Edwin L. Herr, professor and head, Division of Counseling and Educational Psychology, received the Eminent Counseling Practitioner Award for 1980 at the annual Convention of the Pennsylvania Personnel and Guidance Association in Valley Forge on Oct. 31.

On Nov. 18, Theodore L. Gross, provost and dean of The Capital Campus, participated in a special forum, "Public Higher Education and Humanities: Changing Demands and New Expectations," at the annual meeting of the American Association of State Colleges and Universities in Williamsburg, Va.

Professor Rustum Roy, director of the Materials Research Laboratory, presented the seminar at the Physics Division of the Westinghouse Research Laboratories in Pittsburgh, where he spoke on the "Science and Technology of Radioactive Waste Management." He was also the featured speaker at the Conference on "Impact of Government Regulation" sponsored by the Institute for Theological Encounter between Science and Technology of Washington University in St. Louis. Professor Roy, who is chairman of the Science, Technology and Society program, discussed the novel concept of the R&D budget as the principal regulatory mechanism in society.

Dr. Richard A. Cohen, assistant professor philosophy at the Worthington Scranton Campus, gave an invited paper at a Sartre colloquium held at Towson State University in Baltimore on Nov. 19.

Appointments

John C. Alessie as assistant professor of sociology at Behrend, B.A., Loyola U. of Chicago; M.A., Eastern Illinois U.; Ph.D., Southern Illinois U. Formerly assistant professor, Gannon College.

Isabel D. Alvarez-Borland as assistant professor of Spanish at DuBois, B.A., Lyncoming College; M.A., Middlebury College; Ph.D., PSU. Formerly instructor, DuBois.

Unal B. Bakker as assistant professor of agricultural extension, B.S., M.S., Ankara

U., Turkey; M.S., Ph.D., Cornell U. Formerly program director, extension associate, Cornell.

Abdelali M. Benharbit as assistant professor of mathematics at York, B.S., M.S., Ph.D., Oklahoma State U. Formerly assistant professor, Saudi Arabia, visiting assistant professor, Oklahoma State U. Robert P. Brooks as assistant professor of wildlife technology at DuBois, B.S., Muhlenberg College; M.S., Ph.D., U. of Massachusetts.

Robert E. Burkholder as assistant professor of English at Wilkes-Barre, B.A., Washington College; M.A., Ph.D., U. of South Carolina.

Suellen G. Butler as assistant professor of sociology at McKeesport, B.A., Wagner College; M.S., Ph.D., Virginia Polytech. & State U.

John L. Bryant as assistant professor of English at Shenango Valley, B.A., M.A., Ph.D., U. of Chicago. Formerly assistant professor, Widener College.

Stephen N. Calculator as assistant professor of communication disorders, B.A., Oswego State College; M.S., Genesee State College; Ph.D., U. of Wisconsin-Madison.

Donald D. Cameron as assistant professor of radiology at Hershey, A.B., Brown U.; M.D., Baylor College of Medicine. Formerly, director of radiology, Memorial Hospital, Colorado Springs.

M. Jeya Chandra as assistant professor of industrial engineering, B.E., Madras U., India; M.S., PSU; Ph.D., Syracuse U. Formerly instructor, Syracuse.

Patrick G. Cheney as assistant professor of English, B.A., U. of Montana; M.A., Ph.D., U. of Toronto. Formerly writer-editor, U.S. Geological Survey.

Peter G. Christensen as assistant professor of speech communication, B.A., Dartmouth College; M.A., U. of Oregon; Ph.D., Stanford U.

Lee D. Corao as assistant professor of electrical engineering, B.S., PSU; Ph.D., U. of Iowa. Formerly assistant professor, Southern Illinois U.

Jon P. Davis as assistant professor of chemistry at Ogontz, B.S., Marquette U.; Ph.D., Columbia U. Formerly visiting assistant professor, U. of Missouri-Columbia.

Joseph E. Dreiss as assistant professor of behavioral sciences at Capital, B.A., Manhattan College; M.A., Columbia U. Teachers College; Ph.D., Duquesne U. Formerly assistant professor, Seton Hill College; director of consultation and education services, Latrobe Area Community Mental Health Center.

Kathleen B. Evensen as assistant professor of post-harvest physiology, B.A., SUNY-Potsdam; M.S., U. of New Hampshire; Ph.D., U. of Florida. Formerly post-doctoral research associate, U. of Missouri.

Heidi E. Faletti as assistant professor of German at Behrend, M.A., San Francisco State U.; M.A., Ph.D., UC-Berkeley. Formerly assistant professor, U. of Pittsburgh; visiting assistant professor, Eastern Washington U. and Vassar College.

Robert S. Fowler as assistant professor of mathematics at Delaware County, B.A., Swarthmore College; M.A., Ph.D., Cornell U. Formerly acting assistant professor, U. of Washington, Seattle.

Robert A. Francesconi as assistant professor of speech communication at Behrend, B.S., Southern Connecticut State College; M.A., Ph.D., Bowling Green State U. Formerly assistant professor, North Carolina State U.

Andris Freivalds as assistant professor of industrial engineering, B.S.E., M.S., Ph.D., bioengineering, M.S., computer, informational & control—all U. of Michigan. Formerly lecturer and assistant research scientist, U. of Michigan.

Roger P. Gaumond as assistant professor of bioengineering, B.S., MIT; M.Eng., California Polytechnic State U.; D.Sc., Washington U., St. Louis.

Mylar R. Giri as assistant professor of physics at Hazleton, B.S., Bangalore U., India; M.S., Indian Institute of Technology, Ph.D., Rutgers U. Formerly visiting scientist, DuPont.

Lee F. Goldsberry as assistant professor of

education, B.A., Purdue U.; M.A., Governor's State U.; Ed.D., U. of Illinois. Gary C. Grabner as assistant professor of mathematics at Shenango Valley, B.S., M.S., Ph.D., Ohio U. Formerly instructor, Ohio U.

Christine Gregg as assistant professor of biology, B.S.N., Case-Western Reserve U.; M.S., Ph.D., U. of Michigan. Formerly assistant professor, U. of Rochester.

Jose M. Guevara as assistant professor of civil engineering, B.S.C.E., U. of Puerto Rico; M.S., Ph.D., U. of Illinois. Formerly assistant professor, Texas A&M.

James W. Halle Jr. as assistant professor of special education, B.A., U. of Wisconsin-Madison; M.S.W., U. of Michigan; M.A., Ph.D., U. of Kansas.

Randy Y. Hirokawa as assistant professor of speech communication, B.A., U. of Hawaii; M.A., Ph.D., U. of Washington, Seattle.

Bang H. Hwang as assistant professor of anatomy at Hershey, B.S., M.S., National Taiwan Normal U.; Ph.D., U. of Iowa. Formerly research associate, U. of Iowa.

Philip Jenkins as assistant professor of administration of justice, B.A., M.A., Ph.D., Clare College, Cambridge U., England.

William A. Kelly Jr. as assistant professor of finance, B.A., Rice U.; Ph.D., U. of North Carolina-Chapel Hill. Formerly visiting assistant professor, U. of North Carolina.

Walter P. Kilareski as assistant professor of civil engineering, B.S., M.Eng., Ph.D., PSU. Formerly coordinator, special studies research, PennDOT.

Debra M. Kosteski as assistant professor of psychology at Behrend, B.S., St. Joseph's College; M.A., Ph.D., Temple U. Formerly instructor, PSU.

Frank J. Kristine as assistant professor of chemistry at Mont Alto, B.S. Ed., Indiana U. of Pa.; M.S., Seton Hall U.; Ph.D., U. of Pittsburgh.

Teresa G. Lee as assistant professor of Spanish, B.A., U. of Chile; M.A., U. of Kansas; Ph.D., UC-San Diego. Formerly lecturer, UC-Santa Cruz.

Daniel M. Leivant as assistant professor of computer science, B.Sc., Hebrew U., Jerusalem; M.A., Ph.D., U. of Amsterdam. Formerly, visiting assistant professor, Cornell U.

Thomas R. Lindolf as assistant professor of speech communication, B.A., U. of Florida-Gainesville; M.A., Ph.D., U. of Texas-Austin.

Robert T. McGrath as assistant professor of nuclear engineering, B.S., M.S., M.A., Ph.D., U. of Michigan.

Susan M. McHale as assistant professor of human development, B.A., Bucknell U.; M.A., Ph.D., U. of North Carolina-Chapel Hill. Formerly project director, North Carolina Memorial Hospital.

Nancy E. McKenzie as assistant professor of philosophy, B.A., Georgia State U.; M.A., Duquesne U.; Ph.D., SUNY-Stony Brook. Formerly instructor, Vassar College.

Stephen R. Mahaney as assistant professor of computer science, B.A., Reed College; A.M., Dartmouth College; M.S., Ph.D., Cornell U.

Mary S. Mander as assistant professor of speech communication, B.A., Fontbonne College; Ph.D., U. of Illinois. Formerly visiting lecturer, U. of Illinois.

Francis R. Menotti as research associate, ARL, B.S., Boston College; M.S., Ph.D., U. of Connecticut. Formerly senior analyst, Analysis & Technology, Inc.

Daniel J. Meyer as assistant professor of agricultural engineering extension, B.S., U. of Wisconsin-Platteville; M.S., Colorado State U.; Ph.D., U. of Wisconsin-Madison.

John F. Miller as assistant professor of mathematics at Berks, B.S., Muhlenberg College; M.S., Miami U., Ohio; Ph.D., Catsaqua Area School District.

Linda R. Miller as assistant professor of English at Berks, B.A., Hope College; M.A., Ohio State U.; Ph.D., U. of Delaware. Formerly visiting assistant professor, Temple U.

Mary D. Oskaben as assistant professor

of radiology at Hershey, B.A., M.S., U. of Illinois; Ph.D., Jefferson U.; M.D., Temple U. Medical School. Formerly cardiology fellow, Massachusetts General Hospital.

Robert M. Owens as assistant professor of computer science, B.S., PSU; M.S., Virginia Polytech. & State U.; Ph.D., PSU. Formerly programmer, IBM.

Susan Pozo as assistant professor of economics, B.A., Barnard College; Ph.D., Michigan State U.

Carl R. Pratt Jr. as assistant professor of biology at Wilkes-Barre, B.S., Muhlenberg College; Ph.D., Syracuse U. Formerly assistant professor, SUNY-Plattsburgh.

Frank P. Preisse as assistant professor of journalism, B.A., Duke U. Formerly instructor, Michigan State U.

Sandra Prince-Embury as assistant professor of psychology at Capital, B.A., Goucher College; M.A., Temple U.; Ph.D., U. of Pennsylvania. Formerly assistant professor, U. of Baltimore.

Philip M. Prinz as assistant professor of communication disorders, B.A., UCLA; M.S., Northwestern U.; M.S., Ed.D., Boston U. Formerly assistant professor, U. of Colorado-Denver.

Anna V. Resurreccion as assistant professor of human nutrition extension, B.S., U. of the Philippines; M.S., Ph.D., U. of Georgia. Formerly assistant professor of nutrition, PSU.

Mark J. Roberts as assistant professor of economics, A.B., Syracuse U.; M.A., Ph.D., U. of Wisconsin-Madison.

William J. Sakoda as assistant professor of psychology, A.B., Harvard College; Ph.D., UC-Berkeley. Formerly assistant professor, Columbia U.

Sudhir K. Sastry as assistant professor of agricultural engineering, B.Tech., Indian Institute of Technology; M.Sc., Ph.D., U. of Florida.

Sibyl M. Severance as assistant professor of English at Delaware County, B.A., U. of Michigan; M.A., Ph.D., U. of Delaware. Formerly assistant professor, Brynawyn College.

David Shapiro as assistant professor of economics, B.A., U. of Michigan; M.A., Ph.D., Princeton U. Formerly assistant professor, Ohio State U.; senior research associate, Center for Human Resources Research.

Gary W. Shulberg as assistant professor of mathematics at Delaware County, A.B., M.A., Ph.D., Temple U. Formerly lecturer, Rutgers U.

Gordon L. Shulman as assistant professor of psychology, B.A., Yale U.; M.S., Ph.D., U. of Oregon.

Henry J. Sommer III as assistant professor of mechanical engineering, B.S., M.S., Ph.D., U. of Illinois.

James B. Stewart as assistant professor of economics, director of Black Studies, B.S., Rose Hulman Institute of Technology; M.A., Cleveland State U.; Ph.D., U. of Notre Dame. Formerly assistant professor, director of Black Studies, U. of Notre Dame.

Richard G. Stoker as assistant professor of communication disorders, B.S., M. Ed., U. of Utah; M.Sc., Salford U., England; Ph.D., McGill U., Canada.

Mangalam M. Subramaniam as assistant professor of mathematics at Delaware County, B.A., Nizam College, India; M.A., Osmania U., India; Ph.D., U. of Wisconsin-Milwaukee. Formerly assistant professor, U. of Wisconsin-West Bend.

Thomas F. Sweeney as assistant professor of dairy science, B.S., M.S., U. of Maryland; Ph.D., U. of Kentucky.

David W. Wall as assistant professor of computer science, B.S., U. of New Mexico; M.S., Ph.D., Stanford U.

Harold J. Webster as assistant professor of biology at DuBois, B.S., Muhlenberg College; M.S., Rutgers U.; Ph.D., U. of Tennessee. Formerly assistant professor, College of New Rochelle.

Joel M. Weinstein as assistant professor of surgery and medicine at Hershey, B.A., U. of Chicago; M.D., Albert Einstein College of Medicine. Formerly fellow, U. of Iowa.

assistant professor, Vanderbilt U.

Promotions Staff Exempt

Joseph Bonner Jr. to senior nuclear education specialist in Engineering.
Harlan L. Bowersox to conference assistant in Continuing Education.
David J. Brown to director of Mental Health Center in Student Administrative Services.

James P. Bucher to assistant director for placement services in Student Administrative Services.
Gloria D. Decker to administrative assistant in the Office of Vice President for Undergraduate Studies.
Diane L. Denson to financial aid coordinator in Student Administrative Services.

Thomas E. Glumack to senior physical therapist at Hershey.

Kevin G. Hayes to assistant director in Agricultural Communications.

H. Richard Hesso to associate director in Student Administrative Services.

Kathryn K. Lynott to systems planning specialist in Planning and Budget.

Tao L. Nakpil to senior applications programmer/analyst in Planning and Budget.

Marcia R. Parker to senior staff technologist at Hershey.

Joyce S. Rigby to administrative assistant, resident instruction at Delaware County.

Louise E. Sandmeyer to assistant director for career counseling and planning in Student Administrative Services.

Elizabeth S. Shultz to business manager in Intercollegiate Research Programs.

Jacquelyn Stirn to senior applications programmer/analyst in Planning and Budget.

Betty J. Turiano to production coordinator in Management Services.

Staff Non-Exempt

Kathleen E. Bock to supervisor, filing and retrieval section at Hershey.

Gerry L. Castellano to junior programmer in Management Services.

Margaret A. Dietz to research technician at Hershey.

Susan M. Ensminger to research technician at Hershey.

Akemi Furukawa to senior research technician at Hershey.

Glenda K. Hostetter to respiratory therapy clinical specialist at Hershey.

Gloria R. Penman to assistant to head, operations in I.D.I.S.

Barbara A. Serniak to senior staff nurse at Hershey.

Clerical

Diane Lyn Booth to secretary in Business Administration.

Vickie R. Cunningham to survey data clerk in Student Administrative Services.

JoAnne Dreilbliss to secretary Bin Intercollegiate Research Programs.

Katherine J. Fegley to senior radiology records clerk at Hershey.

Donita L. Gibboney to clerk, typist A in Agriculture.

Rela Gilliland to clerk, records A in Registrar.

Mona L. Graybill to clerk, records A in Student Administrative Services.

Jeanne E. Harvey to secretary B in Intercollegiate Research Programs.

Jeanne C. Kelley to clerk, receptionist A in Student Administrative Services.

Mary Kay Montovino to secretary Bin Undergraduate Admissions.

Marlene A. Neubert to secretary C in Education.

Susan Nicora to secretary B at Mont Alto.

Lisa E. Ott to clerk, typist A in Agriculture.

Annet M. True to secretary B at Hershey.

Technical Service

Robert L. Bumbaugh to patrol officer at Mont Alto.

Cathie H. Burns to animal caretaker A in Intercollegiate Research Programs.

Linda L. Garner to patient service aide at Hershey.

Patricia A. Hankinson to dining hall worker A in Housing and Food Services.

Harry G. Heffner to airframe and

powerplant technician in Business Services.

Anthony Wasilewski to maintenance worker (general) C at Berks.

Ronald R. Wyre to animal caretaker A in Intercollegiate Research Programs.

Bookshelf

Dr. Robert A. Pitts, associate professor of business administration, is co-author of *Strategic Management: A Casebook in Business Policy and Planning*, published recently by West Publishing Company.

Thirty-four cases covering a range of business topics such as environmental analysis and forecasting, political and negotiated strategies and design and operation of strategic planning systems are featured.

Dr. Pitts' co-authors for the college-level text include Dr. Charles W. Hofer of New York University, Dr. Edwin A. Murray of Boston University and Dr. Ram Charan of the Wharton Applied Research Center.

Retirements



Dr. Chang

Mr. Snyder

Dr. Chen-Chi Chang, professor of religious studies, will retire from the University with emeritus status on Dec. 1 after 14 years on the faculty.

Born in Canton, China, in 1920, Dr. Chang was educated in a Tibetan monastery and later taught at the University of Nanking. He also taught in India and worked with the Voice of America, Radio Free Asia and the U.S. Army Language School.

Dr. Chang, a nationally recognized authority on Buddhism, came to Penn State from the University of Nebraska, where he was professor of Oriental philosophy.

He has written several books on Buddhism, including *Four Essays on Buddhist Philosophy*, *The Practice of Zen*, *The Essential Teachings of Tibetan Tantra*, and *The Buddhist Teaching of Totality*.

In recent years he has completed an edited translation of *The Treasury of Mohayana* in English, and translated Tibetan Buddhist scripture into Chinese.

Roy F. Snyder, Perry County Extension agent, retired Nov. 15 with 32 years of service.

A native of Berks County, he served as assistant county agent in Snyder, Cumberland, and Perry counties prior to his promotion to county agent in 1953.

His B.S. degree was granted by Penn State in 1948, with a major in dairy husbandry. He received his M.A. in extension education from Michigan State University in 1959.

During his tenure in Perry county, the Dairy Herd Improvement Association testing program has more than doubled in enrollment and production per cow has increased by about 75 percent. Also through his leadership in instituting educational programs, brucellosis was eliminated as a major disease in the County.

Margaret R. Roscoe, a secretary at the Fayette Campus, retired Nov. 3 after serving on the staff since Sept. 1, 1969.

Obituary

Velda A. Price, a janitorial worker in the Office of Physical Plant, died Nov. 10. She was 60 years of age and had been a member of the staff since 1960.

Elsewhere in Academe

Michigan voters defeated a tax cutting proposal which academic leaders had predicted would cause the closing of 12 of the state's 15 state colleges and universities and force the three largest campuses to reduce their operations by half. Higher education interests worked vigorously to defeat the measure, after an October opinion poll indicated that up to 60 percent of the electorate might vote in its favor. Close to a million voters were contacted in the final days of the campaign.

A scarcity of jobs resulting from the economic recession is being credited by officials in higher education for an upsurge in undergraduate enrollments. According to a survey made by *The Chronicle of Higher Education*, enrollments are up 3.8 percent over last fall. This is the largest one-year jump since 1975 (another recession period). Public institutions, *The Chronicle* reported, registered a 4.1 percent gain, compared with 2.5 percent for private

colleges and universities. Public institutions in the Great Lakes and Plains states showed the strongest growth — 6.3 percent. Although the Census Bureau projects a sharp drop in the number of 18-year-olds during the decade, the decline will not begin until 1982.

Faced with the biggest retrenchment in the University of Minnesota's history, a \$14.1 million cutback in state funds, its officials have drawn up a plan which includes a 10 percent surcharge on tuition for winter and spring quarters; a proposal to raise \$5 million by borrowing against University-owned land, \$2.5 in internal cuts in the operations and maintenance budget, and drastic cuts in special programs supported by the state (among them general agricultural research, the Agricultural Extension Service, and intercollegiate athletics).

"There is no way a reduction of this magnitude can be accommodated painlessly," President C. Peter Magrath told the institution's Board of Regents. "Further, if this level of cut is made permanent... significant elements of the University mission will be fundamentally impaired and in some cases crippled."

News in Brief

(Continued from page 1)

Artisans

Crafts booths were set up, and artisans demonstrated such skills as basket weaving, quilting, the painting of German hex signs and paper cutting.

"The Ethnic Fair is sponsored by the Campus's Advisory Board to help us stay in close touch with the community," explains Campus Director Robert D. Arbuttle. "A high percentage of our students are the first members of their families to attend college, and their parents still identify strongly with their ethnic backgrounds. Because it attracts so many people to the New Kensington Campus for the first time, the Fair also helps our student recruitment program."

This year, the Campus was able to bring in troupes of professional performers for the Fair because of a grant awarded to it by the Pennsylvania Council on the Arts. The Ukrainian Easter Egg exhibit received support from the Folk Art Division of the National Endowment for the Humanities.

Thanksgiving birds on sale

Poultry sales has turkeys, pheasants, chickens and eggs for your Thanksgiving feast at the poultry farms (next to the outdoor swimming pool). Poultry Sales is open every Thursday from 10 a.m. to 12 noon and 12:30 p.m. to 3 p.m. During Thanksgiving week, they will be open on Tuesday, Nov. 25.

Kern term break hours

Kern Cafeteria announces the following hours during term break:

— Friday, Nov. 21: Monday, Nov. 24; Tuesday, Nov. 25; Wednesday, Nov. 26 — 7 a.m. to 2 p.m.

— Saturday, Nov. 22; Sunday, Nov. 23; Thursday, Nov. 27; Friday, Nov. 28; Saturday, Nov. 29; Sunday, Nov. 30 — Closed.

— Monday, Dec. 1 — 7 a.m. to 5 p.m.

— Normal business hours of 7 a.m. to 6 p.m. will be resumed on Tuesday, Dec. 2.

Hershey opens MS Diagnostic, Evaluation Center

A Multiple Sclerosis (MS) Diagnostic and Evaluation Center sponsored by the Central Pennsylvania Chapter of the National Multiple Sclerosis Society has been opened at Hershey Medical Center.

Such centers are sponsored by the society to coordinate a number of diagnostic, evaluation and rehabilitative services for patients referred by their own family physicians or neurologists.

Hershey's is the second one in Pennsylvania and is one of some 80 sponsored by the national society throughout the country.

The director of the MS Center at Hershey, Dr. Richard B. Tenser, assistant professor of medicine (neurology) and microbiology, emphasized the importance of coordinated medical and social services for MS patients.

"MS is a chronic, crippling disease of the central nervous system that has been called the foremost neurological problem of our time," he said. "It sometimes is very difficult to diagnose and, with the cause and cure unknown, it carries with it sociological as well as medical difficulties."

Library to reduce hours during term break

During term break, Pattee Library will close on weekends and will operate on a 7:45 a.m. to 5 p.m. schedule during the week. The library will close Thanksgiving Day.

Interest rate increased for U.S. Savings Bonds

The Department of the Treasury has just announced that the interest rate on Series EE U.S. Savings Bonds purchased on and after Nov. 1, 1980, will increase to 8 percent when held to maturity.

In addition, all outstanding Series E, EE, H, and HH Savings Bonds will benefit from a 1 percent increase to their next maturities. Also, the maturity on Series EE Bonds is being shortened from 11 to 9 years.

The University provides the opportunity to purchase U.S. Savings Bonds through payroll deductions.

AAUW requests books

The State College Branch of the American Association of University Women among requests donations of all types of used books for its annual sale, which will be held the last week in April.

Donations may be deposited inside the yellow collection bin on Aaron Drive at N. Atherton Street (opposite Miller-McVeigh), at the box just inside the door at Thrift Drug (Westerly Parkway), and at Schlus Memorial Library. Pickup of large donations can be arranged by calling 237-8068.

In addition to books, AAUW also accepts sheet music, maps, LP records, art prints, dress patterns, children's magazines, literary and historical journals, and a selected group of other magazines: *Antiques*, *Entire*, *Needlework*, *Arizona Highways*, *Popular Mechanics* and *Genealogy*.

Calendar

Nov. 20 -
Dec. 4

Special Events

Thursday, Nov. 20
Last day of final examinations for Fall Term.
Kern/WPSX-TV, Cosmos series, "Journeys in Space and Time," noon, Kern Lobby.

Friday, Nov. 21
Residence Halls close for Fall Term, 3 p.m.

Saturday, Nov. 22
Sports: basketball (exhibition), "Athletes in Action," 8:10 p.m.

Monday, Nov. 24
Fixed date for meetings involving Commonwealth Campus faculty.

Tuesday, Nov. 25
Fixed date for meetings involving Commonwealth Campus faculty.

Galley Talk, 10:30 a.m., Museum of Art, Larry Salmon, curator of textiles, Museum of Fine Arts, Boston, on "The Art of the Needle."

Thursday, Nov. 27
Thanksgiving Day, University offices closed

Friday, Nov. 28
Sports, football vs. Pittsburgh, 1:10 p.m., basketball vs. Ursinus, 8:10 p.m.

Saturday, Nov. 29
Fall Term Commencement, 10:30 a.m., Rec. Hall.

Sunday, Nov. 30
Student arrival day, Residence Halls open 10 a.m.

Monday, Dec. 1
Distribution of faculty studies in Pattee, 7:15 a.m., Room 106 Central Pattee. Information, 865-5429.

Orientation and advising.

Tuesday, Dec. 2
Registration for Winter Term, 8 a.m.-5 p.m., IM Bldg.

Continuing Education registration, noon-8 p.m., Room 101 Kern.

Alard String Quartet, 8:30 p.m., Music Bldg, Recital Hall.

Thursday, Dec. 4
Winter Term classes begin, 8 a.m.

Continuing Education registration, 9 a.m.-3 p.m., Room 101 Kern.

HUB Craft Center, Open House, 7:30-9:30 p.m., Room 312 HUB.

Seminars

Thursday, Nov. 20
MCB, Jack Anastasia, Proctor & Gamble, on "The Biological Function of Sucrose Polyesters (a nonacademic talk) - Some Thoughts on Industrial Research," 1:30 p.m., Room 101 Althouse (new listing).

Friday, Nov. 21
Analytical/Physical Chemistry, Dale Hokelec, Shell Oil Co., on "Solid State N.M.R.," 11:10 a.m., Room 333 Whitmore.

Tuesday, Nov. 25
Biology, Theodore Hollis, Biology, on "Biology of Atherogenesis," 10 a.m., Room B Mueller.

Wednesday, Dec. 3
Intercollege Graduate Program in Genetics:

Richard M. Losick, Harvard Univ., on "Proteins that Regulate Prokaryote Development," 1 p.m.; John G. Scandalios, North Carolina State Univ., on "Regulation of Gene Expression and Developmental Programming," 2 p.m.; John Gearhart, Univ. of Maryland School of Medicine, on "Cell Lineage Analysis of Mammalian Development," 3:30 p.m., Room 112 Kern.

Thursday, Dec. 4
Physics, B.P. Stoecheff, Univ. of Toronto, on "New Views in Spectroscopy," 3:50 p.m., Room 445 Davey.

Acoustics, Medhat Sadek, Univ. of Birmingham, England, on "The Rational Design of Forging Machines from the Dynamic and Acoustic Point of View," 4 p.m., Room 73 Willard.

Exhibits

Kern Gallery: Art of This Decade - 1980 and David Weiland, wooden boxes, through Nov. 21. Alison Taggart, photographs, opens Nov. 24. International Artifacts exhibition and sale, opens Dec. 1.

Museum of Art: European paintings, contemporary prints and 18 to 20th century works from the permanent collection: The Art of the Needle.

Pattee Library: Marc Levey and his students, photographs, through Nov. 24. Robert Sadin, lithographs, opens Nov. 24. East Corridor gallery, Kevin Bar, paintings, through Nov. 26. Dave Hopkins, paintings and drawings, opens Nov. 26. Lending Services Lobby, Nathan Gooden, glassware, through Dec. 1; Jack Enold, sculpture, opens Dec. 1, Main Lobby.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by filing the Employment Division, 1865-1387 (network line #73, 1387). Applications for these staff vacancies will be accepted 5 p.m. to 4 p.m., 1980. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ASSISTANT DIRECTOR, SPECIAL PROGRAMS, GIFTS AND ENDOWMENTS Responsible within the Penn State annual giving program for providing guidance, counsel and coordination of Commonwealth Campus and University Park college annual fundraising programs. Responsible for developing special constituency appeals and campaigns; programs to maximize corporate gift matching opportunities and reunion case and other special fund raising programs. Bachelor's degree required. Two to three years of effective experience in public relations, promotional activity or related external relations work in higher education. Strong oral and written communication skills, creativity and initiative are essential. Knowledge of printing production helpful.

PROGRAM ASSISTANT, CONTINUING EDUCATION, YORK CAMPUS Provides assistance to the Area Director in planning, implementing and conducting a Continuing Education program for the campus service area; responsible for supervising office procedures, exercising fiscal controls and maintaining related records. Bachelor's degree, plus one to two years of related experience.

ASSISTANT MANAGER, COLLEGE OF MEDICINE, HERSHY Responsible to Manager, Respiratory Therapy, for various administrative functions and supervision of technical personnel in addition to performing clinical duties within the teaching hospital. High school graduate and graduation from an AART approved two-year program with registration, plus one to two years of effective experience.

ASSISTANT ACCOUNTANT, CONTROLLERS OFFICE Responsible to the Director of Accounting Operations for assistance in a wide variety of duties, working toward the overall goal of obtaining well rounded accounting experience in all areas assigned within the Office of the Controller. Bachelor's degree equivalent, preferably in accounting or related field, and nine to twelve months of effective experience.

GRAPHIC ARTIST, COLLEGE OF MEDICINE, HERSHY Responsible to the Department Head of Educational Resources for the design and production of graphics as requested by clients. Equivalent to an associate degree from an art or drafting trade school and two years of related experience.

RESEARCH ENGINEERING ASSISTANT, COLLEGE OF SCIENCE Be knowledgeable about computer and microcomputer systems, hardware and software. Design and repair capital equipment in RF, Analog and digital circuits. Bachelor's degree in electrical engineering or equivalent, or a closely related discipline. FCC First Class License and amateur radio experience desirable.

MANAGER, PHYSICIAN REIMBURSEMENT, COLLEGE OF MEDICINE, HERSHY Responsible to the Associate Hospital Director for managing the professional admissions, outpatient registration, collections and professional revenue of the clinical departments within the Medical Center. Master of health administration/concentration in finance, accounting or equivalency, plus at least three to four years of effective experience in medical group management, health care accounting, third party professional relations or other similar financially oriented position dealing with hospital or physician professional revenue systems.

SUPERVISOR, THIRD PARTY REIMBURSEMENT AND COST ACCOUNTING, COLLEGE OF MEDICINE, HERSHY Responsible to the Director of Financial Affairs for the management of all cost accounting and third party reimbursement functions, monitoring and interpretation of all pertinent regulations and legislation and maintenance of controls on third party accounts receivable. A bachelor of science degree in accounting, business administration or equivalency, plus three to four years of hospital accounting experience with emphasis on cost and budgetary reports and control.

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SUNDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8:00 - 8:50		8:00 - 8:50		8:00 - 8:50		8:00 - 8:50	1	2	1	2
9	800 - 915		800 - 915		800 - 915	1	2	1	2	1
9:05 - 9:55		9:05 - 9:55		9:05 - 9:55		9:05 - 9:55	2	3	4	3
10							3	4	5	4
10:10 - 11:00	9:30 - 10:45	10:10 - 11:00	9:30 - 10:45	10:10 - 11:00	9:30 - 10:45	10:10 - 11:00	4	5	6	5
11	11	11	11	11	11	11	5	6	7	6
11:15 - 12:05	11:00 - 12:15	11:15 - 12:05	11:00 - 12:15	11:15 - 12:05	11:00 - 12:15	11:15 - 12:05	6	7	8	7
12:20 - 1:10	12	12:20 - 1:10	12	12:20 - 1:10	12:20 - 1:10	12:20 - 1:10	7	8	9	8
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22							26	27	28	27
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23							28	29	30	29
23:10 - 24:00	10:30 - 11:45	23:10 - 24:00	10:30 - 11:45	23:10 - 24:00	10:30 - 11:45	23:10 - 24:00	29	30	31	30
24							30	31		
24:10 - 25:00	11:30 - 12:45	24:10 - 25:00	11:30 - 12:45	24:10 - 25:00	11:30 - 12:45	24:10 - 25:00				
25										

ALTERNATE A - 50 Minute Class Schedule

ALTERNATE B - 50 Minute Class Schedule

Faculty Senate

(Continued from page 1)

majority of Liberal Arts faculty members, she said, believed that their teaching and research would suffer if the number of courses taught in three terms were to be distributed over two.

"If instead faculty were to teach the number of courses per semester which they presently teach each term," Dr. Taylor continued, "a majority favor the calendar change and predict it would benefit both teaching and research."

Two senators who spoke as representatives of larger University constituencies supported calendar change. Citing the pedagogical advantages, William Park announced that at the Department of Mechanical Engineering had voted unanimously in favor of returning to a semester calendar. He noted that the Department ranked first in terms of research funding and second in student enrollment in the College of Engineering.

Pedagogical advantages were also cited by Carol Cartwright, speaking for colleagues in the College of Education. She foresaw an improved climate for instruction and advising and "no negative impact on research in our College, which is among the top 10 in the United States in research productivity." A dissenting vote - on the grounds that pedagogical advantages were unproved - was filed by College of Education Senator Paul Weener.

As the debate veered back and forth, some senators expressed alarm about a decrease in time available for sabbatical

leaves. Chris Hopwood, vice president of the Academic Assembly, was worried about the expenses of conversion. Questions were raised about accommodating transfer students in colleges such as Earth and Mineral Sciences, which are "net transfer in" colleges (John Cahir). The adverse effect of conversion on the recruitment of highly qualified teaching assistants was also raised (Martha Halsey).

When one faculty member pointed to the difficulties of finding 15-week long practicum experiences for students (Michael Smyer), another (Martha Adams) replied that instead of thinking about scheduling as it currently exists under the term system, faculty members might consider arranging half-semester practicum to be combined with coursework.

Arthur O. Lewis suggested consideration of a semester system that "fits more usefully into patterns to which we are already accustomed," one that would fall between Labor Day and Christmas. Cyril Griffiths told his colleagues that "the hidden agenda is the validity of the term system itself," developed at a time when universities were adopting an "assembly line approach" to get students through to their degrees. If this is what we really want, let's go to a quarter system and push as many through as possible, he added.

And finally several faculty members, characterizing themselves as "mossbacks," remarked that they had heard these songs before - 20 years ago when the conversion from the semester to the term system was made.

From the Press

Russia on Canvas: Ilya Repin. By Fan Parker and Stephen Jan Parker. 178 pages. 60 illustrations, 4 color plates. \$29.75.

Repin stood in the center of the Russian cultural life of his day. Painting during the last quarter of the 19th century and the first quarter of the 20th, he was able to capture the images of the famous - Tolstoy, Musorgsky and Turgenev - as well as those of his less fortunate countrymen - "The Volga Boatmen," "The Beggar Girl" and "The Cossacks."

This is the first book in English to focus on Repin, whose works are still popular in his native land. Several of the paintings included in this volume have never previously been reproduced. The authors have written of Repin within the context of the political, social and artistic activities of his time. Fan Parker headed the Russian Department at Brooklyn College before her retirement. Stephen Parker is associate professor of Slavic languages and literatures at the University of Kansas.

Theravada Meditation. By Winston L. King. 172 pages. \$15.

The first book in English to relate modern forms of Theravada meditational practice to its Indian roots, this volume rectifies the publishing imbalance toward Mahayana and Zen. The author has written six previous books on comparative religion and Buddhism and has been a visiting professor in the Far East as well as at Vanderbilt, Grinnell, Colorado State and Oberlin.



Penn State Intercom

News in Brief

Employees to receive checks prior to Christmas break

The University will distribute payroll checks to all employees on Friday, Dec. 19, prior to the holiday season break. Both bi-weekly and end-of-month checks will be issued. However, they will be dated according to normal distribution dates — Dec. 23 for bi-weekly (covers work performed Nov. 30-Dec. 13) and Dec. 31 for monthly.

"The early distribution of checks is being done as a convenience for employees," said Robert A. Patterson, senior vice president for finance and operations. "They will be able to avoid returning to campus during the break, just to pick up paychecks."

"At the same time, it will enable the University to assure the checks will be available when due, without disrupting the holiday shutdown. Employees are alerted not to attempt to cash the checks before the proper dates."

Mr. Patterson said area banks have been cautioned not to accept the checks in advance. Payroll deposits to bank accounts will be made on Dec. 23 and 31, he said.

Faculty/student exchange

An agreement providing for exchanges of faculty and students has been signed by the University and the Swedish Fulbright Commission.

Goals are to allow faculty members from Sweden and Penn State to compare research work and to provide graduate students with the opportunity to do research in areas not represented at their own institution.

During the 1981-82 academic year, a

Liberal Arts faculty member will spend at least three months at a Swedish university on a Fulbright grant. Five graduate students from Swedish universities will study at the College of the Liberal Arts.

Terrace Room to hold candlelight dinners

The HUB Terrace Room will hold two candlelight dinners Thursday and Friday, Dec. 11 and 12, as part of the University's International Week celebration. The dining room will be open from 4:45 p.m. to 6:45 p.m.

On the menu are coq au vin, rib of beef with Yorkshire pudding, fritto misto de pesce, lamb and pineapple kabob, and currant glazed pork birds.

Assorted vegetables, salads, and desserts will be available, and singing and dancing will be provided by members of the Ukrainian Club.

University receives grant

J. Carroll Dean, manager of energy conservation programs, announced that Penn State has been awarded \$66,772 by the federal Department of Energy for technical assistance to perform engineering analyses at 27 University buildings.

"The analyses will result in recommendations for energy conservation projects in those buildings," he said.

"Fifteen of the buildings are at University Park; and the other 12 are at our Beaver, Hazleton, Worthington Scranton, Wilkes-Barre, Altoona, Capital, Delaware, Ogontz, Schuylkill and York campuses."

The grant was made on a matching basis with Penn State also contributing \$66,772 to the project. Work is already underway, with the engineering firms of Smith, Miller and Associates and Berger/Spieris performing the analyses.

Directory additions

Three University Division of Instructional Services Production Sections were omitted from the Departmental Listings on Page 24 in the 1980-81 Faculty/Staff Directory.

They are:

Graphics Services, 15 Mitchell 865-0421

Photographic Services, 13 Mitchell 865-6507

Television & Film Production, 120 Mitchell 865-7548

Reading/writing center opens

A new Reading/Writing Center begins operating this term.

Located in Room 216 Cedar Building, the Center's goal is to provide assistance in reading, writing and studying to students who need help in those skills even though their test scores may exempt them from current developmental programs.

Dr. John Harwood, director of composition in the Department of English, and Dr. Mary Dupuis, associate professor of education in the Division of Curriculum and Instruction, are co-directors of the Center.

"At present, students who are weak in these skills are divided among programs and courses offered in the College of Education and the College of the Liberal Arts," Dr. Harwood explains. "Not all undergraduates who need help are getting it."

The Reading/Writing Center will be open to any undergraduate who is having difficulty completing reading or writing assignments in undergraduate courses at University Park, provided the student is not already served by Developmental Year, English 4 or Reading, Communication and Language Education (RECELD) 5 courses.

Two doctoral students, one each from

the Department of English and the Division of Curriculum and Instruction, will staff the Center, which is expected to be open approximately 40 hours a week.

"In Winter Term, the population served will be approximately 50 students," Dr. Dupuis says. "The number will be limited in order to assure the high-quality tutoring necessary to test the program."

Faculty members, counselors and advisers may alert students to the availability of the Center, the directors note. Information may be obtained by calling 863-2937 or 865-6568.

Penn State courses adopted

The College of Engineering at The University of Wisconsin has adopted three Penn State correspondence courses for its Independent Study by Correspondence Program. The three courses — Engineering Mechanics 12 (Statics), Engineering Mechanics 12 (Dynamics), and Engineering Mechanics (13) (Strength of Materials) — are basic courses in many baccalaureate engineering programs. The courses were written and recently revised by Dr. Andrew Pytel, associate professor in the Department of Engineering Science and Mechanics. Dr. Pytel's co-author on the revisions was Nicholas Sepe of the Virginia Power and Light Company.

Natorium to be named

The formal naming of Penn State's McCoy Natatorium will take place at a 7 p.m. ceremony Friday, Dec. 5, as part of the 12th Annual Penn State Swimming and Diving Relay Championships.

The building is being named in honor of the late Ernest B. McCoy, director of athletics and dean of the College of Health, (Continued on page 8)

Radnor Center offers varied programs

"How do you spell Radnor?"

The enthusiastic and hard working staff of the Radnor Center can hardly be blamed for bristling slightly at the question when it comes from a fellow Penn State. But as the University's newest unit (the move to Radnor from King of Prussia was undertaken in 1978) and because of its special mission, the name of the Center is still not a household word among members of the University community.

What is Radnor?

Director Helmut Weber describes its unique qualities:

- Located in southeastern Pennsylvania, Radnor is the first Penn State unit to integrate fully its resident instruction and continuing education missions. It reports to both Graduate School Dean James B. Bartoo and CE Acting Vice President Daniel T. Hopkins.
- Radnor offers no undergraduate resident instruction, concentrating entirely on master's degree-level graduate programs.
- While all Commonwealth Campuses have continuing education programs, Radnor's, in the area of conferences and seminars, attempts to focus on professional/post-graduate level programs, often aligned with areas in which graduate degrees are offered by the Center.
- Master's degree programs are geared

to the working professional. Classes begin at 4:30 p.m. on week days, continue on into the evening and spill over into Saturdays.

- The Center does not own its physical plant. It leases a former elementary school from the Radnor Township School District.
- The Center's staff has developed the flexibility necessary to offer graduate training programs directly on site in corporations and businesses.



Currently, for example, 125 engineers are working toward master's degrees in engineering science offered by Radnor at the Naval Air Development Center in Warminster. (This program is also open to all persons admitted by Penn State.) Other courses or workshops have been presented at Ford Aerospace and Communications in Lansdale; at the Burroughs Corporation in Paoli and Downingtown; at Lankenau Hospital and Franklin Institute in Philadelphia; and at a variety of other companies and organizations.

— Radnor has five full-time faculty members, three in engineering, one in mathematics, and one in special education. It supplements this staff with qualified part-time faculty members from the area and with faculty from the University Park, Delaware County and Ogontz Campuses, who commute to the Center to teach courses in the Master of Public Administration, Master of Education, and Master of Regional Planning degree programs.

The origins of Radnor help explain its present direction. Dr. Weber, who began teaching part-time at the Center in 1962, becoming director in 1968, was an engineer with General Electric when in 1961 the company moved part of its

(Continued on page 8)

Quinn named to new post

Dr. Robert G. Quinn, dean of academic instruction for Commonwealth Campuses, has been appointed special assistant to President Oswald effective Jan. 1.

"During the next year, Dr. Quinn will work closely with me and the senior officers of the University in an advisory capacity in the development of University-wide computing and informational systems," Dr. Oswald said in announcing the appointment.

"This will include developing a long-range plan in such areas as word processing, communication and computing systems to support University instructional, research and public service activities. Like all major universities, Penn State is faced with rapidly evolving micro-electronic technology, and Dr. Quinn — with his background as system-wide administrator, scientist and electrical engineer — is uniquely qualified to serve as an advisor."

Dr. Oswald said Dr. Quinn will work closely as an ex-officio member of the University Computer and Information Systems Planning Committee and its two sub-committees and with the heads of the University's principal computation and communication units.

Dr. Quinn was graduated from Drexel University with a bachelor's degree in

(Continued on page 8)

Penn Staters

Dr. Herman Cohen, professor of speech communication, has been elected president of the Speech Communication Association of Pennsylvania. The Association includes members of the speech profession in colleges and universities, secondary and elementary schools, community and junior colleges, in business, and the Pennsylvania Department of Education. Jeanne M. Lutz, instructor of speech communication, has been re-elected to a three-year term as executive secretary of the Association.

Dr. Charles C. Kolb, assistant professor of anthropology at Behrend, has been named to a one-year term as secretary-treasurer of the Public Committee for the Humanities in Pennsylvania. The committee, a statewide funding agency affiliated with the National Endowment for the Humanities, awards funds to applicants to conduct programs intended to enhance public appreciation and awareness of the humanities in contemporary life.

In the second week of November, Thomas J. Knight, professor of American studies and history, presented a series of invited lectures on "Technology and Development" at the *Comité de Operación y Fomento de Actividades Académicas* of the *Instituto Politécnico Nacional* in Mexico City. The lectures were entitled "Technology and Policy," "Technology and Democracy," and "Technology and Utopia." The Instituto Politécnico Nacional, the second largest institution in Mexico, also invited Dr. Knight to tour its laboratories and to discuss Mexican scientific and technology policy with its faculty members and administrators. At Penn State, Dr. Knight's work on technology and development has been done mainly in connection with the Science, Technology, and Society Program and the Institute for Policy Research and Evaluation.

Dr. Heinz K. Henisch, professor of physics and the history of photography, presented lectures in Mexico, California and Michigan. At the University of Mexico, he discussed the relationship between electronic transport theory and solar cells and appeared for scheduled talks with the *Consejo Mexicano de Fotografía*. He also presented colloquia on relaxation semiconductors in the physics department at UCLA's Riverside campus and at Wayne State University in Detroit.

In November, Dr. Robert A. Schlegel, assistant professor of molecular and cell biology, presented a talk entitled "Control of Mammalian Cell Proliferation" at the SUNY at Stony Brook. He also lectured at the Albert Einstein School of Medicine on "Mercopyrine 540: A Fluorescent Membrane Probe Which Detects Leukemia Cells and Immature Hematopoietic Cells."

Dr. Dorothy V. Harris, professor of physical education, has been elected as the first educator-researcher member of the Women's Sports Foundation Advisory Board.

Dr. Gerhard F. Strasser, assistant professor of German, was an invited speaker at a symposium on "Athanasius Kircher and His Relationship with the Learned Europe of his Day," held at the Herzog August Bibliothek at Wolfenbüttel, Germany. The paper illustrated in a paradigmatic way the more than 15 years of correspondence between Kircher, the 17th century Jesuit polyhistor and forerunner of Leibniz, and the scholar Duke August II of Brunswick-Wolfenbüttel, as well as several other North German Protestant princes, who supported Kircher's research work in Rome.

Thomas B. Jurchak, Lackawanna County Extension director, has received the 1980 Cooperative Extension Service Award for

outstanding educational programming. Dr. Thomas B. King, associate dean for extension, said Jurchak was cited for outstanding programs in the areas of milk marketing and vegetable production.

Jurchak is author of a milk marketing newsletter distributed to 26,000 dairymen and in 1979 received the Pennsylvania Association of Farmer Cooperatives Master Educator Award for his work with farmer cooperatives.

Dr. J. Cordell Hatch, professor of agricultural communications, spent October in Swaziland, Africa, designing communication technology components for projects in environmental conservation education, cropping systems research and extension, and teacher training and support for primary and secondary schools. His work was sponsored by the United States Agency for International Development and the Academy for Educational Development.

George W. Crowther, chief of Safety and Security at Hershey, has been elected secretary-treasurer of the Society for Hospital Safety and Security of the Hospital Association of Pennsylvania.

Dr. John King Gamble, head of the Division of Social and Behavioral Sciences at Behrend College, addressed the 14th annual conference of the Law of the Sea Institute, held in Kiel, West Germany, last month. Dr. Gamble, a member of the executive board of the Institute, discussed a draft of a treaty prepared at the Third United Nations Conference on the Law of the Sea.

Eunice N. Askov, professor of education, attended an invited conference on "Reading Expository Prose" sponsored by the Wisconsin Research and Development Center for Individualized Schooling at the University of Wisconsin—Madison. Her essay, written in reaction to the formal presentations given at the conference, will be included in a book to be published by Academic Press.

Dr. John S. Nisbet, professor of electrical engineering and director of the Ionosphere Research Laboratory, has been elected chairman of the Board of Trustees of the Upper Atmosphere Research Corporation. UARC is a consortium of Universities in the United States and Canada formed to develop the large facilities needed for cooperative research on the upper atmosphere.

Dr. John E. Baylor, professor of agronomy extension, has been named recipient of the 1980 Agronomy Extension Education Award presented by the American Society of Agronomy (ASA). This is the highest Cooperative Extension Service Award presented by ASA. Dr. Baylor has been primarily responsible for the developing Extension educational programs related to forage crop improvement. He currently serves as coordinator of Extension agronomy programs.

James J. Kelly, coordinator of the Division of Undergraduate Studies' Academic Information Support Program, has been elected to a second term of office as president of the northeast region of Academic Affairs Administrators (AcAAd).

Staff development

Nineteen employees at the Hershey Medical Center completed an eight-week Supervisory Management II course. They are:

Carol Behl, manager, Bookstore; Barry Bowers, supervisor, shipping & receiving; Receiving; Barry Brosey, senior health monitoring technician, Health Physics; Dorothy Ecklund, administrative aide, Pediatrics; Earl Eshenauer, supervisor, Bio-Medical Electronics Lab; Esther Gunning, laboratory supervisor, Comparative Medicine; Barbara Haas,

administrative assistant, Behavioral Science; Mary Horst, administrative assistant, Biological Chemistry; Dolores Hudock, secretary, Psychiatry; Michael Kuntz, manager, animal resource facility, Comparative Medicine;

Anne Kustas, secretary, Comparative Medicine; Arlene Liddy, employment specialist, Personnel; Jeannine Maillet, administrative aide, Pathology; Virginia Mullen, administrative assistant, Obstetrics & Gynecology; Lawrence Reynolds, Jr., senior medical photographer, Educational Resources; Stephen Shireman, scheduler, Maintenance & Operations; Maxwell Stevenson, operations foreman, Maintenance & Operations; Meredith Swauger, employment specialist, Personnel; Charles Williams, Jr., communications coordinator, General Services.

Promotions

Staff Exempt

Dennis P. Craig to programmer/analyst A in Management Engineering. Deborah Devin to administrative assistant in Intercollege Research Programs. Kate G. Felix to staffing coordinator at Hershey.

Robert H. Kellar to programmer/analyst A in Management Engineering. JoAnn T. Nesgoda to dining hall supervisor at Capital. Frank Pope to data administration coordinator in Management Services. Diane M. Sublisky to assistant dining hall supervisor in Housing and Food Services. Frank W. Williams to housing supervisor at Capital.

Henry L. Wilusz to engineering systems analyst in Management Engineering. Pamela G. Wissinger to supervisor, information processing in Libraries.

Clerical

Patti A. Bennett to clerk, receptionist A in Student Administrative Services. Nancy M. Derk to clerk typist A in Continuing Education.

Paula K. Dunlap to data processing library clerk in Management Services.

Doris Guanowsky to secretary B in Student Administrative Services.

Carol J. Hendershot to clerk typist A in Continuing Education.

Margaret A. Johnstonbaugh to secretary C in Intercollege Research Programs.

Mae A. Judy to secretary A in Human Development.

Susan E. McMurtrie to secretary B in Engineering.

Donna L. Mowers to data preparation operator B in Alumni Association.

Polly Jo Mothersbaugh to secretary B in Education.

Deborah A. Norwicke to secretary B in Engineering.

Cheryl J. Rhen to secretary A in Gifts and Endowments.

Michelle D. Robison to secretary C in Education.

Jeanne C. Snyder to data preparation operator A in Alumni Association.

Donna L. Spicer to data preparation operator B in Management Services.

Technical Service

Robert G. Brodzina to barn worker, milker in Agriculture.

25-year chair

Harry L. Gunter, a Waste Water Treatment Plant operator in Physical Plant, recently received his 25-year chair from the University.

Mr. Gunter came to the University in 1955 as a utility man at the HUB. He left to enter military service, returned to the HUB in 1959, became an operator in the Waste Water Treatment Plant in 1967 and later transferred to the Power Plant as a coal and ash equipment operator. He returned to the Waste Water Treatment Plant as an operator this year.

"He's a good dependable worker," says his supervisor, Gardner Wagner. In his duties as an operator, Mr. Gunter is responsible for the proper functioning of all plant equipment in the afternoon and night operations, including changing tanks, drawing samples, and making necessary adjustments.

Mr. Gunter's future plans include continuing to work at his present position, but indulging in as much hunting, fishing and camping as his spare time allows.

He and his wife, Janice, live in Phillipsburg. They have two sons, Lee and William.

Retirement

Old Main's "answer lady," Mildred Knudsen, is retiring from the University Jan. 1 after 20 years of service.

Visitors to Old Main in search of maps, facts about the campus and Penn State history, or information about the Land Grant Murals have all been helped by Mrs. Knudsen at her post behind the lobby Information Desk.

"If Mildred isn't able to come up with the answer to a question she's been asked, I can assume the information isn't available," says Karen Rugh, manager of Campus Relations, the office in which Mrs. Knudsen works as an administrative aide.

Mrs. Knudsen came to Penn State in 1960 after she had finished raising her three sons (all of whom graduated from Penn State). She worked as secretary to McKay Donkin, vice president for finance and treasurer of the University, and then from 1967-69 as an administrative assistant to the Dean of Women, Dorothy Lipp Harris.

Her next job, and the one of which she's proudest, was helping to start the Volunteer Service Center. Ann Cook, with whom Mrs. Knudsen worked, recalls: "Mildred was the big push behind the Center. She really put her heart into it, spending hours with students."

Mrs. Knudsen also worked as secretary to Dr. Stanley O. Kenberny, senior vice president for identification, for three years before embarking on her job at the Information Desk, which also includes scheduling for the Speakers Bureau and assisting with special programs and commencements.

When she retires, Mrs. Knudsen hopes to find a part-time job that will enable her to continue helping others—but allow her more time to spend with her five grandchildren and to travel.



Obituaries

Wendell MacRae, who retired July 1, 1960, died Nov. 28. He joined the University staff on Dec. 6, 1952, as publications production manager in the Department of Public Information.

Andrew W. Case, professor emeritus of art, died Nov. 28. A member of the University faculty from 1926 until his retirement in 1962, he was primarily known for his watercolor painting. He was acting head of the Department of Art in 1956 and founded Phi Gamma Alpha, fine arts honorary.

In the interest of making Christmas shopping easier, INTERCOM presents its second annual listing of great gift ideas

The Museum of Art

The Museum of Art's gift store, located in the Visual Arts Building, is filled with a collection of items from all over the world, selected by Aviva Gorlow, the gift store manager. The store is open from noon to 5 p.m., Tuesdays through Sundays. Closed Mondays. Choose from:

- embroidered antique material shoulder bags from India (\$6)
- puppets in native dress from Nepal (\$12.50)
- brass animal key rings (\$7, \$9)
- Sansano-Bori animal carvings made from one piece of wood (\$3.25 to \$5.90)
- antique prints of Pennsylvania (\$20 and up)
- Noah bells from India (all sizes - 80¢ to \$10)
- ceramic candlesticks from Mexico (\$8.75 to \$10.50)
- applied wall hangings from Egypt (\$13.50)
- etchings by David Bigelow (\$15 to \$35)
- For children, stocking stuffers or presents that are sure to delight include:
- Peruvian dolls in native dress (\$2 to \$4)
- plastic squares building sets (\$4.25)
- abacus with instructions (\$3.25, \$5)
- Origami paper (\$1.75)
- kaleidoscopes (\$2.20 to \$4.50)
- jumping jack hand toy (\$1)
- flutes from Yugoslavia and Bolivia (\$2, \$2.75)
- Balancing Act (magnetized sculpture toy) (\$6)
- Rainbow Disk (\$1.50)
- miniature paint set (80¢)
- bird whistles (45¢) and Mexican ceramic whistles (\$1)

The Museum has a small but distinctly different line of rings, pins, earrings and necklaces.

The rings are mostly sterling silver; however, some contain stones such as

that can be found at University Park. The following campus locations will be open until Dec. 19, unless otherwise specified.

- garnets and jade (\$4 and up). Agate rings are available for \$1.
- The earring selection consists of sterling silver, Delftware, and delicately enameled flower earrings (\$4 and up).
- There are also unique necklaces and pins:

- Kohl bottle necklaces from India (\$6-50)
- pewter pendants from Sweden (\$4 to \$7)
- enamel on sterling pendants from China (\$13 to \$29)
- necklaces from Afghanistan (\$12)
- enameled pins (\$3.50) and pendants (\$7) from a Connecticut artisan

The book selection at the gift store encompasses volumes on art,

photography, quilting, design, and numerous other subjects. Some examples:

- *Antique Paper Dolls* (\$3)
- *Quick and Easy Patchwork on the Sewing Machine* (\$3)
- *The Great Sights of New York: A Photographic Guide* (\$5)
- *Build Your Own Inexpensive Dollhouse* (\$1.50)
- *Film Star Portraits of the Fifties* (\$6.95)
- *Victorian Houses* (\$3) (houses you can construct yourself for children or for people with train sets).

Special holiday items to fill your every need are also available:

- wrapping paper (85¢ to \$1.50)
- Christmas cards (\$3.50/box and up) and Christmas postcards (\$2.50/set and up)
- gift enclosures (40¢/set of 10, and up)
- notecards from various American museums and Penn State's own Museum of Art (\$1.50/box and up)
- wooden nutcrackers (\$14.50 to \$40)
- art calendars from the Metropolitan Museum of Art, the J. Paul Getty Museum, the National Trust for

Gifts you can purchase without leaving University Park

CHRISTMAS shopping made easy

Compiled by Diane M. Lisko



Hand-made ceramic ornaments and wall hangings at the Museum Shop.

Historic Preservation and others (\$5.95)

- *The First Christmas*, a book of Christmas cards (complete with envelopes) that you can decorate yourself (\$2)
- ornaments:

- handmade ceramic animals from Mexico (\$1.25)

- hand embroidered silk animals (\$4 to \$6) and satin angels (\$4) from China
- straw wreath ornaments from Ecuador (\$2.40)
- German ware ornaments (\$2.40)
- tin tree top star from Mexico (\$3.75)

The Penn State Press

The Penn State Press's wide selection of books is available to any faculty or staff member at a 20 percent discount year round. The following books will be sold at special Christmas discount prices through Dec. 19:

- Of particular interest to Centre County residents is *Historic Buildings of Centre County, Pennsylvania*, prepared by the Historic Registration Project of the Centre County Library, George Ramsey, Coordinator. The volume includes 236 photos, maps and drawings. (Regularly: \$15. Sale price: \$11.25)
- *Rivers of Pennsylvania* by Tim Palmer serves as an introduction to Pennsylvania's 45,000 miles of usable streams. It provides information for the active or prospective canoeist, kayaker, boater, or rafter; the hiker or camper; the nature or history buff; the angler or conservationist. (Regularly: \$18.95/cloth; sale price: \$14.25. Regularly: \$12.95/paper; sale price: \$9.75)
- *A History of Pennsylvania* (second and enlarged edition), the acclaimed standard history of Pennsylvania, has been updated to cover political, economic, social, and cultural developments that have taken place during the six years since publication of the original edition. Philip S. Klein and Ari Hoogenboom are coauthors of this publication. (Regularly: \$17.50. Sale price: \$13.15)
- The 270 photographs reproduced in *A Pennsylvania Album: Picture Postcards, 1900-1930* recapture a way of life in each of Pennsylvania's counties during the period from 1900 until 1930. Each of the postcards reproduced is accompanied by a short,

explanatory caption. George Miller is the author. (Regularly: \$18.75/cloth; sale price: \$14.10. Regularly: \$10.95/paper; sale price: \$8.25)

- *Pennsylvania 1776*, Robert A. Secor, general editor. The book is a vivid portrayal of life in Pennsylvania at the time of the Declaration of Independence. (Regularly: \$18.75. Sale price: \$10)

- Four publications that are part of an ongoing series of regional studies on rural and small-town handicraft industries that flourished in Pennsylvania during the 18th and 19th centuries are: *Central Pennsylvania Redware Pottery, 1780-1904*; *Made of Mud: Stoneware Potteries in Central Pennsylvania, 1831-1929*; *Willow, Oak, and Rye: Basket Traditions in Pennsylvania and To Draw, Upset, and Weld: The Work of the Pennsylvania Rural Blacksmith, 1742-1935*.

- Jeannette Lasansky is the author and researcher. (Regularly: \$7.95 each. Sale price: \$6.35 each)
- *Pennsylvania Politics, Today and Yesterday: The Tolerable Accommodation* by Paul B. Beers presents the reader with a characterization of the Pennsylvania political scene during the period from 1900 to 1979. A type of rough justice prevailed, the author argues, if defined in Learned Hand's words as "the tolerable accommodation of the conflicting interest of society."

- (Regularly: \$16.75. Sale price: \$12.60)
- Holiday shoppers are welcome to browse through the assortment of books at the Penn State Press office in Room 215 Wagner Building (865-1327). Press hours are Mondays through Fridays, 8 a.m. to 12 p.m. and from 1 p.m. to 5 p.m. Special arrangements may be made for book



Books from the Penn State Press.

orders to be picked up from 12 p.m. to 1 p.m. The Press will mail books anywhere in the United States (\$1 mailing charge extra). Prepaid orders

should be sent to Penn State Press, 215 Wagner Bldg., University Park, PA 16802.

Penn State Bookstore

To give the University community an opportunity to take advantage of some pre-Christmas savings, the Penn State Bookstore will hold its third annual Faculty/Staff/Student Appreciation Sale from Dec. 15 through Dec. 19 at each of its campus locations. All merchandise will be 20 percent off (excluding textbooks, calculators, and other limited items), and there will be a 40 percent off table on selected items. Christmas wrapping paper and cards will also be reduced 40 percent.

Craft Center

If you're searching for a present with that handcrafted touch, look no further than the Instructor's Sale at the Craft Center in Room 312 HUB. This sale will feature wheel-thrown and handbuilt pottery; silk screen prints; stained glass; woven stoles, pillows, and scarves; watercolors; macrame plant hangers and wall hangings; and various other crafts. The sale will be held Dec. 12 from noon to 4 p.m. and 7 p.m. to 9 p.m. and Dec. 13 from 11 a.m. to 5 p.m.

(Continued on page 6)

University Park Calendar

WINTER TERM 1980-81

Thursday, Dec. 4

Preregistration for Spring Term, through Jan. 8.
Room 112 Shields.

Winter Term classes begin, 8 a.m.

Continuing Education registration, 9 a.m.-3 p.m., Room 101 Kern.

Kern/WFSX-TV, *Cosmos* series, "The Lives of the Stars," noon and 2:15 p.m., Kern Lobby.

HUB Station open for Drop/Add, 1-4 p.m.

Sports: swimming and diving (women) vs. North Carolina and Syracuse, 1 p.m. and (men) vs. West Virginia, 7:30 p.m., wrestling vs. Cal Poly, 8 p.m.

HUB Craft Center, Open House, 7:30-9:30 p.m., Room 312 HUB.

Friday, Dec. 5

HUB Station open for Drop/Add, 9 a.m.-4 p.m. Also Dec. 8-10.

Sports: swimming and diving (men and women), Penn State Relays - trials, 1 p.m., finals, 7:30 p.m., wrestling, Penn State Invitational, through Dec. 6.

Commonplace Theatre, *What's New Pussycat?* 7 p.m., *Murder by Death*, 9 p.m., Room 112 Kern. Also Dec. 7.

Artists Series, Uta Hagen in *Charlotte*, 8:30 p.m., Music Bldg. Recital Hall.

Laura Davidson, violin recital, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, Dec. 6

Sports: rifle vs. William and Mary, 9 a.m., swimming and diving (men and women), Penn State Relays - trials, 9 a.m., finals, 3:30 p.m., bowling vs. Lincoln, 1 p.m.; basketball (men) vs. SMU, 2:10 p.m.

France-Cinema, *Hector, Nostradamus*, 7 and 9 p.m., Room 112 Kern. Also Dec. 8.

Sunday, Dec. 7

HUB Craft Center, regular and special session classes begin, Room 312 HUB.

Sports: fencing (women), Alumnae Open, 11 a.m., bowling (men) vs. Villanova, 1 p.m.

University Chapel Service, 11 a.m., Eisenhower Chapel. The Rev. Ned Weller, United Ministry, PSU, speaker.

Holiday Festival VII, An Inter-Cultural Celebration, International Fair, noon-6 p.m., HUB Ballroom; 6th Annual Messiah Sing-In, 3 p.m., Schwab.

Artists Series, *Ain't Misbehavin'* 8:30 p.m., Eisenhower Auditorium.

Monday, Dec. 8

Holiday Festival VII: International Crafts demonstration, 11 a.m.-1 p.m., Kern Gallery; International Music, noon, Kern Lobby.

Interdisciplinary Symposium on Value, 7:30 p.m., Room 101 Kern. Philip Jenkins, administration of justice on "Ethical Issues in the Criminal Justice System."

Sports: wrestling vs. Michigan, 8 p.m.

Tuesday, Dec. 9

Holiday Festival VII: International Crafts demonstration, 11 a.m.-1 p.m., Kern Gallery; Phi Mu Alpha German Band, noon, Kern Lobby.

Adult/Continuing Education luncheon/lecture, 12:30 p.m., Room 115 Keller Bldg. Seichiro Miura, *Fukoku* National Union of Education, Japan, on "Adult Education in Today's Japan."

Comp. Lit. Luncheon, 12:15; talk, 1 p.m., Room 204 HUB. Charles Mann, libraries, on "John O'Hara and His Editors."

IAHS, Sean Lucy, Irish poet, reads from his works, 4 p.m., Rare Books Room, Pattee Library.

Comp. Lit. Film Series, *Down and Dirty*, 7 and 9 p.m., Room 112 Kern. Also Dec. 10.

Wednesday, Dec. 10

Holiday Festival VII: International Crafts demonstration, 11 a.m.-1 p.m., Kern Gallery; International Music, noon, Kern Lobby; Coffeehouse, ethnic American entertainment, 8-11 p.m., HUB Main Lounge.

Sports: swimming and diving (men) vs. Villanova, 4 p.m.

GSA Workshop, Kung-Fu Club, Self Defense, 7 p.m., Room 101 Kern.

IAHS/Art History, illustrated lecture, 8 p.m., Room 230 Arts Bldg. Carl Nordenfalk, art historian, on "The Five Senses of Medieval Art."

Holiday Festival VII: International Crafts demonstration, 11 a.m.-1 p.m., Kern Gallery; International Music, noon, Kern Lobby; International Holiday Candlelight Dinner, 4:45-6:15 p.m., HUB Terrace Room; James Bostain, linguist, Foreign Service Institute, on "Intercultural Communications," 8 p.m., Room 112 Kern.

Kern/WFSX-TV, *Cosmos* series, "The Edge of Forever," noon and 1:15 p.m., Kern Lobby.

Black Studies Colloquium, 7:30 p.m., Walnut Bldg. Waldo Emerson Martin, Greensboro, N.C., on "The Mind of Frederick Douglass."

Friday, Dec. 12

Holiday Festival VII: Dough Sculpture demonstration, 11:30 a.m.-1:30 p.m., Kern Gallery, HUB Craft Center, Instructor's Sale, noon-4 and 7-9 p.m., Room 312 HUB.

Phi Mu Alpha Delta Band, noon, Kern Lobby; International Holiday Candlelight Dinner, 4:45-6:15 p.m., HUB Terrace Room; "Glow at Christmas," buffet dinner and entertainment, 6:30 p.m., Room 103 Kern; Mystery Films, 8:30 p.m., Eisenhower Chapel.

STS/TCO luncheon, noon, presentation, 12:20 p.m., Room 101 Kern. Ronald F. Abler, geography, on "Is a Wired University Possible?"

Commonplace Theatre, *Dark Victory*, 7 p.m.; *Key Largo*, 9 p.m., Room 112 Kern. Also Dec. 14.

Saturday, Dec. 13

Holiday Festival VII: HUB Craft Center, Instructor's Sale, 11 a.m.-5 p.m., Room 312 HUB; Children's Christmas Party, 12:30-4 p.m., Robeson Center; GSA Coffeehouse, international entertainment, 8-10 p.m., Room 102 Kern.

Sports: bowling vs. Temple, 1 p.m.; swimming and diving (women) vs. Villanova, 1 p.m.; basketball (women) vs. Villanova, 5:45 p.m. and (men) vs. East Carolina, 8:10 p.m.

France-Cinema, *Bitter, Fanny's Fatales*, 7 and 9 p.m., Room 112 Kern. Also Dec. 15.


PSU Symphony Orchestra and University Choirs, Ralph Vaughn-Williams, *Hodie*, 7:30 p.m., Eisenhower Auditorium.

Sunday, Dec. 14

Sports: bowling vs. Drexel, 1 p.m.

Holiday Festival VII: PSU Glee Club and Women's Chorus Concert, 3 p.m., Schwab; University Chapel Choir Christmas Concert, 7 p.m., Eisenhower Chapel; Mystery Plays, 8:30 p.m., Grace Lutheran Church.

Monday, Dec. 15

Late registration deadline.  Add deadline.

ARL Award Day program, 3 p.m., Room 112 Kern.

Sports: basketball (women) vs. Polish National Team, 7 p.m.

Color Slide Club meeting, 7:30 p.m., Room 189 MRL.

Tuesday, Dec. 16

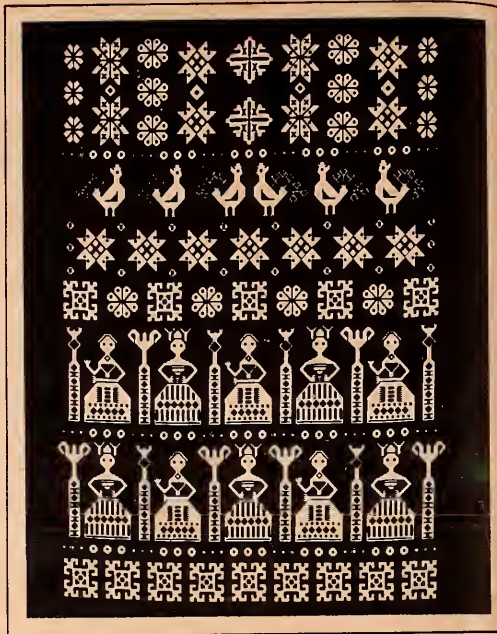
Deadline for March graduates to pay these fees at Bursar's Office and to activate diploma cards in Records Office.

Comp. Lit. Luncheon, 12:15; talk, 1 p.m., Room 204 HUB. Teresa Gonzales-Le, Spanish, on "The Oral Tradition in Modern Spain."

Comp. Lit. Film Series, *Kamouarska*, 7 and 9 p.m., Room 112 Kern.

Artists Series film, Bolshoi Ballet, *Romeo and Juliet*, 8 p.m., Eisenhower Auditorium.

Sports: wrestling vs. Tennessee, 8 p.m.



Swedish folk art design.

Wednesday, Dec. 17

University Readers, *Christmas Carol*, 7:30 p.m., Room 112 Kern. Also Dec. 18.

Thursday, Dec. 20

Winter Term recess begins, 12-25 p.m.

Week of Dec. 22

Monday, Dec. 22

University offices closed for holiday break, through Jan. 4.

Week of Dec. 29

Saturday, Jan. 3

Sports: fencing (men) vs. Jersey City State, 1 p.m.

Sunday, Jan. 4

Residence Halls open after Winter Term recess, 10 a.m.

Sports: basketball (women) vs. North Carolina, 2 p.m.

Week of Jan. 5

Monday, Jan. 5

Winter Term classes resume, 8 a.m.

France-Cinema, *Schlöndorff, The Tin Drum*, 7 and 9:30 p.m., Room 112 Kern. Also Jan. 10 and 12.

Sports: basketball (men) vs. Lafayette (Hershey Park), 7:30 p.m.; wrestling vs. Missouri, 8 p.m.

Tuesday, Jan. 6

Pass/Fail.

Deadline for applying for Graduate School Tuition Grant-in-Aid for Spring Term 1981.

University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

Wednesday, Jan. 7

Pass/Fail.

Robeson Center Film Series, *Last Grave at Dimboza*, 7:30 p.m., Walnut Bldg.

Sports: wrestling vs. Nebraska, 8 p.m.

Vera Kochanowsky, harpsichord recital, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, Jan. 8

Drop deadline.

Course repeat deadline.

Pass/Fail.

Preregistration deadline for Spring Term.

Sports: basketball (women) vs. Montclair State, 7:30 p.m.

Friday, Jan. 9

STS/TCO luncheon, noon; presentation, 12:20 p.m., Room 101 Kern. Henry J. Hermonowicz, education, on "The Relationship between General and Professional Education."

Commonplace Theatre, *In Cold Blood*, 7 p.m.

The Boston Strangler, 9 p.m., Room 112 Kern. Also Jan. 11.

Sports: gymnastics (women) vs. Southern Cal., 8 p.m.

Saturday, Jan. 10

Deadline for March graduates to deliver doctoral theses to Committee.

Sports: indoor track (men), Nittany Lion All-Corners meet; fencing (women) vs. Fairleigh Dickinson, 9 a.m.; basketball (men) vs. Rider, 8:10 p.m.

Sunday, Jan. 11

University Chapel Service, 11 a.m., Eisenhower Chapel. The Rev. James H. Livingston, Christian and Missionary Alliance Church, State College, speaker.

Sports: basketball (women) vs. Detroit, 7 p.m.

Artists Series, *Empire Brass Quintet*, 8:30 p.m., Eisenhower Auditorium.

Monday, Jan. 12

Interdisciplinary Symposium on Value, 7:30 p.m., Room 101 Kern. John Balaban, English, on "Politics in Poetry."

Tuesday, Jan. 13

Gallery Talk, 10:30 a.m., Museum of Art.

Judith W. Hansen on "Fireworks of Color: The Lithographed Poster 1890-1930."

Comp. Lit. Luncheon, 12:15; talk, 1 p.m., Room 204 HUB. Dorothy Roberts, poet, gives a poetry reading.

Comp. Lit. Film Series, *Despair*, 7 and 9 p.m., Room 112 Kern.

Artists Series film, *King Kong* (1933), 8 p.m., Schwab.

Monday, Jan. 14
Women's Club, Brown Bag
Lecture, 11:45 a.m., Faculty Bldg.
W. W. W. nuclear engineering, on "How
Catcher Energy?"
Colloquium, 8 p.m., Room 101 Kern.
Rambow, English, speaker.
wrestling vs. Temple, 8 p.m.
Feldman, recital, 8:30 p.m.
Blgd. Recital Hall.

Tuesday, Jan. 15
gymnastics (men) vs. Syracuse, 8 p.m.
Wednesday, Jan. 16
for March graduates to take final oral
examinations or to deliver masters'
theses or papers to adviser.
indoor track (men and women) vs.
Maryland, bowling (men) vs. Penn State,
Capitol, 1 p.m.; wrestling vs. Claiborne, 2
p.m.; basketball (women) vs. Connecticut,
8 p.m.; (men) vs. Philadelphia Textile,
10 p.m.

Thursday, Jan. 18
Chapel Service, noon, Frazier Room,
Lashower Chapel, Martin Luther King, Jr.
Lodge, Rev. Dr. Kenneth Lee Smith,
Colgate Rochester Divinity School, speaker.
bowling vs. George Washington, 1 p.m.
Series, Hakan Hagegard, baritone, 8:30
p.m., Schwab.

Week of Jan. 19

Monday, Jan. 19
for March graduates to submit
camera-ready theses manuscripts to Thesis
Office.
Slide Club meeting, 7:30 p.m., Room 189
HUB.

Tuesday, Jan. 20
Lia. Luncheon, 12:15, talk, 1 p.m., Room
101 HUB. Walter Dolan, classics, on
"Generosity and Politics in the Greek Dark
Age: A New Perspective on Homer."
Craft Center, Open House, 7:30-9:30
p.m., Room 312 HUB.

Wednesday, Jan. 21
Non Center Film Series. *White Man's Land*
and *Kanjutai*, 7:30 p.m., Walnut Bldg.
basketball (men) vs. West Virginia, 8:10
p.m.
Singing Quartet, 8:30 p.m., Music Bldg.
Recital Hall.

Thursday, Jan. 22
Theatre, "Offenbach Operetta," 8
p.m., Room 112 Kern; dessert following.
production, Room 102 Kern. Also Jan. 23,
24 and 25.

Friday, Jan. 23
of Trustees meeting, Keller Bldg.
swimming and diving (men) vs.
Virginia, 7 p.m.
Series, Irene Worth in *Letters of Love*
and *Affection*, 8:30 p.m., Schwab.

Saturday, Jan. 24
of Trustees meeting, Keller Bldg.
teaching (women) vs. St. Johns and
Room 9 a.m. and (men) vs. Penn, 1 p.m.;
swimming and diving (women) vs. Virginia,
8 p.m.; (men) vs. Johns Hopkins, 3 p.m.;
bowling vs. Erie C. C. and SUNY-Buffalo, 1
p.m.; wrestling vs. Lehigh, 2 p.m.; basket-
ball (women) vs. Edinboro, 5:45 p.m. and
(men) vs. Northeastern, 8:10 p.m.

Sunday, Jan. 25
Craft Center, second session classes begin,
Room 312 HUB.
volleyball (men), Nittany Lion In-
vitational, 8 a.m.
University Chapel Service for the Week of
Christian Union, 11 a.m., Eisenhower
Chapel.
France-Cinema, *La Strada*, 7 and 9 p.m.,
Room 102 Chambers.

Week of Jan. 26

Monday, Jan. 26
France-Cinema, *La Strada*, 7 and 9 p.m., Room
102 Kern.
basketball (men) vs. Loyola (MD), 8:10
p.m.

Tuesday, Jan. 27
Lia. Luncheon, 12:15, talk, 1 p.m., Room
101 HUB. Bhendradatt Tewari, comp. lit.,
"V.S. Naipaul: Fame Through Mis-
understanding."

Comp. Lit. Film Series. *Identification Marks*:
None, 7 p.m., Room 112 Kern.
Artists Series film, *Bottom of the Opera*,
(1925), 8 p.m., Schwab.

Wednesday, Jan. 28
Sports: basketball (men) vs. Colgate, 8:10 p.m.

Thursday, Jan. 29
Deadline for submitting reserve reading lists for
Spring Term 1981. Reserve Reading Room,
W11 Patten.

STS/TCU luncheon, noon; presentation, 12:20
p.m., Room 101 Kern. Daniel Walden,
American studies, on "Into the Future: A
New Look at C.P. Snow."
Robeson Center. Germantown Theatre Guild.
Sojourner, 8 p.m., Walnut Bldg.

Sports: wrestling. Athletics in Action, 8 p.m.
Friday, Jan. 30
IFC Dance Marathon, 6 p.m., White Bldg.,
through Feb. 1.

Commonplace Theatre, *Whits' Up Tiger Lily?*
7 p.m., *The Front*, 9 p.m., Room 112 Kern.
Also Feb. 1.
Sports: gymnastics (men) vs. Southern Con-
necticut, 8 p.m. and (women) vs. Mas-
sachusetts, 8 p.m.

Penn State Symphonic Wind Ensemble, 8:30
p.m., Music Bldg. Recital Hall.

Saturday, Jan. 31
Sports: bowling, Lions Pride-Penn State In-
vitational through Feb. 1; fencing (women)
vs. Navy, Hofstra and California (PA), 9
a.m.; rifle vs. St. Johns, 10 a.m.; basketball
(women) vs. West Virginia, 5:45 p.m. and
(men) vs. Westminster, 8:10 p.m.
France-Cinema, Bunuel, *Phantom of Liberty*, 7
and 9 p.m., Room 112 Kern. Also Feb. 2.

Sunday, Feb. 1
Sports: basketball (men) vs. New Hampshire,
2:10 p.m.

Week of Feb. 2

Monday, Feb. 2
First day to sign Spring Term NDSSL and
University Long Term Loans, Room 108
Shields.

Last date for March graduates to deliver theses to
Graduate School and for Departments to re-
quire papers for March graduates.
Deadline for applying for fellowships through
any of the Graduate School programs.
Penn State Invitational Film Festival, noon
Room 112 Kern. Also Feb. 4, 5 and 6.

Tuesday, Feb. 3
Red Cross Bloodmobile, 10 a.m.-4 p.m., Walnut
Bldg.

Gallery Talk, 10:30 a.m., Museum of Art, John
P. Driscoll, curator, William H. Lane Founda-
tion, on "All That Is Glorious Around Us:
Masterpieces of the Hudson River School."

Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Room
204 HUB. Patrick Cheney, English, on
"Magic in *The Faerie Queen*."
University Faculty Senate meeting, 2:10 p.m.,
Room 112 Kern.

Comp. Lit. Film Series, *Lancelot of the Lake*, 7
and 9 p.m., Room 112 Kern.

Artists Series film, *Nosferatu* (1922), 8 p.m.,
Schwab.

Sports: wrestling vs. Wilkes, 8 p.m.
Wednesday, Feb. 4
Red Cross Bloodmobile, 10 a.m.-4 p.m., Walnut
Bldg.

Sports: swimming and diving (women) vs.
Maryland, 1 p.m. and (men) vs. Maryland, 4
p.m.; basketball (women) vs. Cheyney, 7:30
p.m.

Robeson Center Film Series, *The Grapes of
New York*, 7:30 p.m., Walnut Bldg.

English Colloquium, 8 p.m., Room 102 Kern.
Paul West, English heads from his fiction.

Thursday, Feb. 5
URTC William Shakespeare, *Macbeth*, 8 p.m.
The Playhouse. Also Feb. 6 and 7, 10:14-
12:21.

Friday, Feb. 6
Sports: basketball (women) Coca-Cola Lady
Lion Classic, through Feb. 7.
Commonplace Theatre, *Obsession*, 7 p.m.;
Alice Doesn't Live Here Anymore, 9 p.m.,
Room 112 Kern. Also Feb. 8.

Artists Series, Concord String Quartet, 8:30
p.m., Schwab.

Saturday, Feb. 7
Sports: basketball (men) vs. Navy, 2:10 p.m.
Penn State Symphony Orchestra, 8:30 p.m.,
Eisenhower Auditorium.

Week of Feb. 9

Monday, Feb. 9
Archaeological Institute of America lecture, 8
p.m., Room 112 Kern. Tom B. Jones,
Regent's prof. history emeritus, Univ. of
Minnesota, on "Darius the Great"

Tuesday, Feb. 10
IAHS History lecture, Rowland T. Berthoff,
Washington Univ., on "Berthoff Hypothesis
of American History," 10 a.m., Room 708
Liberal Arts Tower; and on "Evolution of
19th Century American Social Institutions,"
4 p.m., Room 101 Kern.

Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Room
204 HUB. Paul West, English, on "The Tiger
in the Music Room, The Mollusk in the
Zoo."

Wednesday, Feb. 11
Last day to sign Winter term NDSSL and Univer-
sity Long Term Loans, Room 108 Shields.
Comp. Lit. Film Series, *Elfi Briest*, 6:30 and 8:45
p.m., Room 112 Kern.
Student Composers' Concert, 8:30 p.m., Music
Bldg. Recital Hall.

Thursday, Feb. 12
Late drop deadline.
Robeson Center Gallery Talk, 7:30 p.m.
Walnut Bldg. Oliver La Grone discusses his
work.

Friday, Feb. 13
Commonplace Theatre, *The Wild One*, 7 p.m.;
A Streetcar Named Desire, 9 p.m., Room 112
Kern. Also Feb. 15.
Sports: gymnastics (men) vs. Temple, 8 p.m.
and (women) vs. Utah State, 8 p.m.
Artists Series, *The Intimate P.D.Q. Bach*, 8:30
p.m., Eisenhower Auditorium.

Saturday, Feb. 14
Sports: 1. Colgate Sectionals, 8 a.m.,
through Feb. 15; swimming and diving
(women) vs. Princeton, 1 p.m. and (men) vs.
Syracuse, 4 p.m.; basketball (men) vs. Drex-
el, 8:10 p.m.
Artists Series, *The Lovelace Theatre Company*,
Jack and the Beanstalk, 10:30 a.m. and 2:30
p.m., Schwab.

France-Cinema, Young, *Alambrista*, 7 and 9
p.m., Room 112 Kern. Also Feb. 16.

Sunday, Feb. 15
Penn State Glee Club and Carlow College Choir,
3 p.m., Music Bldg. Recital Hall.
Sports: gymnastics (women) vs. British National
Team, 7:30 p.m.

Week of Feb. 16

Monday, Feb. 16
Sports: swimming and diving (women), AIAW
Diving Qualification Meet, through Feb. 17.
Color Slide Club meeting, 7:30 p.m., Room 189
MRL.

Tuesday, Feb. 17
Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Room
204 HUB. Clyn Norton, French, on
"Humanist Theories of Translation:
Salutati, Bruni, and Manetti."
Comp. Lit. Film Series, *Death of a Bureaucrat*, 7
and 9 p.m., Room 112 Kern.
Artists Series film, *Nosferatu - The Vampire*
(1979), 8 p.m., Schwab.

Wednesday, Feb. 18
Robeson Center Film Series, *Black History: Lost,
Stolen or Strayed*, 7:30 p.m., Walnut Bldg.
Sports: basketball (men) vs. St. Bonaventure,
8:10 p.m.

Music da Camera, 8:30 p.m., Music Bldg.
Recital Hall.

Thursday, Feb. 19
Artists Series, *The Jose Limon Dance Company*,
8:30 p.m., Eisenhower Auditorium.

Friday, Feb. 20
Last date for submitting petitions to Records Of-
fice to graduate in absentia in March.
Commonplace Theatre, *The Hunchback of
Notre Dame*, 7 p.m., Dr. Jekyll and Mr.
Hyde, 9 p.m., Room 112 Kern. Also Feb. 22.
Sports: gymnastics (men) vs. Indiana State and
Southern Illinois, 8 p.m.

Saturday, Feb. 21
Sports: fencing (men) vs. Navy, 1 p.m.; wres-
tling vs. Lock Haven, 2 p.m.; basketball
(women) vs. Maryland, 7 p.m.
France-Cinema, Annaud, *Hotbed (Coup de
tete)*, 7 and 9 p.m., Room 112 Kern. Also
Feb. 23.

Sunday, Feb. 22
Sports: gymnastics (women) vs. UCLA, 3 p.m.
Artists Series, Wuertheim Chamber
Orchestra, 8:30 p.m., Eisenhower
Auditorium.

Week of Feb. 23

Tuesday, Feb. 24
HUB Craft Center closes for term break, Room
312 HUB.
Museum of Art lecture, 8 p.m., W.E. Esber,
101 East College Ave. Webb Esber on
"Persian Rugs: Past, Present and Future."

Wednesday, Feb. 25
Last day to sign Winter Term Emergency Loans,
Room 108 Shields.
Sports: basketball (men) vs. Robert Morris, 8:10
p.m.
Winter Term classes end, 9:55 p.m.

Thursday, Feb. 26
Final examinations, through Monday, March 2.

Saturday, Feb. 28
Sports: bowling vs. Bloomsburg, 1 p.m.,
volleyball (men) vs. Ohio State, 7 p.m.

Week of March 2

Tuesday, March 3
University Faculty Senate meeting, 2:10 p.m.,
Room 112 Kern.
Residence Halls close for Winter Term, 3 p.m.

Saturday, March 7
Sports: fencing (men) vs. Carnegie-Mellon, 1
p.m.; basketball (women), EAIAW First
Round Games.

Sunday, March 8
Student arrival date for Spring Term, Residence
Halls open, 10 a.m.
Winter Term Commencement, 1:30 p.m., Rec.
Hall.

Exhibits

Chambers Gallery
Maureen Garvin, paintings, Ron Gallas,
ceramics, through Dec. 19
Graduate Art Education Student exhibition, Jan.
6-26.

Undergraduate Student exhibition of prints and
paper, Third Annual Bur-Hartwick In-
vitational Glass exhibition, Feb. 2-26.

Kern Gallery
Polish Circus and Cultural Poster exhibition and
sale, through Dec. 17.
Alison Taggart, photography: International Ar-
tifacts exhibition and sale, through Dec. 18.
Sarah Berndt, watercolors, Jan. 5-30.
Kevin O'Toole, sculpture, Jan. 6-31.
Metal Craft exhibition, Jan. 7-30.
Fabric Workshop exhibit, Jan. 8-29.
Nancy Ziegenfuss, ceramics, Feb. 2-28.
Sandra Leitzyer, watercolors, Feb. 2-28.

Museum of Art
Museum hours, noon-5 p.m. daily. Closed
Mondays. Museum tours Sundays at 1:30
p.m.

Contemporary prints from the permanent
collection, through Dec. 14.
"The Art of the Needle," through Dec. 21.
European paintings from the permanent col-
lection, through Dec. 23.
18th to 20th century American works from the
permanent collection, through Jan. 11.

European works from the permanent collec-
tion, through March 29.
Selections from the Pre-Columbian and Oriental
collections, Jan. 10-17.

"All That Is Glorious Around Us," paintings
from the Hudson River School, opens Jan.
18.

Pattie Library
East Corridor Gallery:
Robert Sadin, lithographs through Dec. 15.
Greg Decker, drawings and paintings, Dec.
15-Jan. 16.

Hicks Echtrpint National Invitational ex-
hibit, Jan. 16-Feb. 5.
John Ingers, photographs of Europe, Feb.
5-19.

Charles Enlan, sculpture, opens Feb. 19.
Lending Services Lobby:
Dave Hopkins, paintings and drawings,
through Dec. 16.

Robin Bergstein, mixed media, Dec. 10-
Jan. 20.

Main Lobby:
Jack Enold, sculpture, through Dec. 17.
Nancy A. Norton, stained glass, Dec. 17-
Jan. 12.

Rare Books Room:
Christmas material from the Allison-Shelley
Collection, through Jan. 9.

Black History Week: Models for Success, Jan.
26-Feb. 6.
Wendy A. Fairs, Feb. 16-March 13.

West Lobby:
Gordon Studer, drawings and paintings,
through Dec. 16.

(Continued from page 3)

Greenhouses

The University Greenhouses have the plants you'll need to add a festive touch of green to your home during the holiday season. Traditional poinsettias are on sale in an array of colors from white plants with marbled centers to the usual red variety (\$1.50 and up). Other Christmas plants on sale include Christmas cacti, cyclamen, ornamental pepper plants, kalanchoe, and Norfolk Island pines. The Greenhouses will also offer their usual selection of assorted plants (\$1.50 and up). Sales take place in Headhouse 2, behind Tyson Building, Mondays through Fridays. Extended holiday hours, 10 a.m. to 4 p.m., are in effect through Dec. 19. There will also be a special Christmas sale day to be held on Dec. 6, from noon to 4 p.m.

If selecting a present for someone with musical inclinations has you stymied, why not try one of the following record albums?

Glee Club

If your musical preference leans toward the vocal rather than the instrumental, then the Glee Club has the album for you — "The Penn State Glee Club in a Program of Pennsylvania Music: 90th Anniversary Concert." It is on sale in Room 232 Music Building for \$6.

Blue Band

"The Penn State Blue Band" album enables the listener to enjoy the marching, jazz and concert repertoires. The album is available in Room 217 Chambers Building for \$7.

Alard Quartet

This year, the Alard Quartet has two albums available: "The Alard Quartet Playing Quartets by Hindemith and Janacek" (\$7) and their latest album, "Music for Flute and Strings by Three

Americans — Amy Beach, Katherine Hoover, Arthur Foote" (Diane Gold, flautist) (\$6). Both albums are on sale at the Museum of Art.

Alumni Association

The Alumni Association carries gifts for the avid Penn State fan, alum, or graduating senior.

- An Alvanston Nittany Lion replica (from a mold made and signed by Lion Shrine sculptor, Heine Warneke) may be purchased for \$20. It also comes on a walnut base for \$35.
- Penn State chairs are available in two styles: a Boston rocker for \$99 and an armchair for \$112. Both chairs are satin-finish black with gold trim and the University seal.
- Alumni Association memberships are on sale for \$15/yr. Regular members receive *The Penn State Magazine*, the *Football Letter* and *College/Campus* newsletters. Associate memberships may also be purchased for non-alums for \$15/yr. The associate membership entitles recipients to the same privileges except that they are excluded from voting for alumni trustees and running for office. Lifetime memberships (regular or associate) are on sale for \$135.

All purchases may be made at the Alumni Association office in Room 105 Old Main, 8 a.m. to 12 p.m. and from 1 p.m. to 5 p.m.

Poultry Sales

For your holiday feasting, Poultry Sales will have Christmas turkeys, ranging in weight from 8 to 15 pounds. Pheasants, chickens and eggs are also available. The sales room is located at the poultry farms (next to the outdoor swimming pool) and is open every Thursday from 10 a.m. to 12 p.m. and from 12:30 p.m. to 3 p.m. Dec. 18 will be the last day of sales before the University holiday break.

International Artifacts Exhibition and Sale

Kern Graduate Commons will sponsor an International Artifacts Exhibition and Sale through Dec. 18. You can make your holiday selections of international artifacts

from the showcase exhibit in Kern and place an order at the Kern information desk. Orders placed for the week of Dec. 8 may be picked up Dec. 12; and for the week of Dec. 15, pick-up date is Dec. 19.



This cheese gift box from The Creamery does not include the cleaver.

Creamery

Penn State's Creamery is offering an array of gifts and tasty Christmas delights. Sure to please the cheese lover on your list is a gift box assortment of Creamery specialties (cheddar cheese, smoked cheddar cheese, honey cream cheese, two cheese spreads) for \$12. Another gift selection consists of a University Creamery cutting board and a variety of cheeses for \$15. The cutting board may be purchased separately for \$6, or an alternate cutting board gift selection may be assembled with

your own choice of items from the Creamery. Special shipping boxes for the cheese are furnished upon request. Also available is a wooden-handled cheese cleaver with the Nittany Lion etched on its stainless steel blade for \$3. Two special flavors of ice cream, rum raisin and eggnog, will be offered during the holiday season. Ice cream will be packed in dry ice for a small charge. Creamery hours are 7:30 a.m. - 5:30 p.m., Mondays through Saturdays, and 9:30 a.m. - 5:30 p.m., Sundays.

VADD Premiums decrease, new benefit offered

Effective Jan. 1, the more than 9,000 faculty and staff members who participate in the University's Voluntary Accidental Death and Dismemberment insurance program will have their premium payments reduced. In addition to this, a new maximum benefit of \$200,000 will be available. The new rates are as follows:

Type of Coverage	Monthly Rate		Biweekly Rate	
	From	To	From	To
Employee Only				
\$ 10,000	.41	.38	.19	.18
25,000	1.03	.95	.48	.44
50,000	2.05	1.90	.95	.88
100,000	4.10	3.80	1.90	1.75
150,000	6.15	5.70	2.85	2.63
200,000	—	7.60	—	3.51
Employee and Dependents				
\$ 10,000	.63	.60	.29	.28
25,000	1.58	1.50	.73	.69
50,000	3.15	3.00	1.45	1.38
100,000	6.30	6.00	2.90	2.77
150,000	9.45	9.00	4.35	4.15
200,000	—	12.00	—	5.54

Because of the new reduced rates and the availability of a new maximum benefit of \$200,000, another enrollment period will be provided during the month of January for all faculty and staff members, whether or not they are currently participating in the program. During this period anyone may take one or more of the following actions: (1) change the dollar amount of coverage, (2) change from individual to family coverage or vice versa, (3) enroll in the plan as a new member, or (4) withdraw from the plan.

In order to make any change in the VADD coverage at this time the faculty or staff member should obtain a VADD enrollment form from his or her Personnel Representative or Business Manager, complete it and return it to the Employee Benefits Division, Room 133 Willard Building, prior to Feb. 1. The changes will be in effect from that date. Only persons who wish to make a change should complete the enrollment form.

Telephone service provided during holiday period

University Park operators will provide telephone service during the holiday period from Dec. 19 to Jan. 5, with the exception of Christmas and New Year's Day, according to Jeff Kuhns, manager of telecommunications.

Persons calling the main information number, 865-4700, during the day will receive operator assistance. From 4:30 p.m. to 8:30 a.m., a recorded message will explain that the University is closed and

direct callers to a police service number. Security personnel will be available to handle emergency calls.

While a direct dialing system makes it possible for faculty and staff members to place most of their calls at any time during the holiday period without operator assistance, because of the length of the break, University employees may wish to inform individuals with whom they do business of the vacation schedule.

Seminars

Dec. 4 — 14

- Thursday, Dec. 4**
Economics/Institute for Policy Research and Evaluation, Robert Eisner, Northwestern Univ., on "Social Security and Saving," 2 p.m., Room 124 Sparks.
Physics, B.P. Stoicheff, Univ. of Toronto, on "New Vistas in Spectroscopy," 3:30 p.m., Room 445 Davey.
Acoustics, Medhat Sadek, Univ. of Birmingham, England, on "The Rational Design of Forging Machines from the Dynamic and Acoustic Point of View," 4 p.m., Room 73 Willard.
Sunday, Dec. 7
Nutrition Program, Avroy Fanaroff, M.D., neonatologist, Case Western Reserve Univ. School of Medicine, on "Feeding the Low Birth Weight Infant," 4 p.m., Room 5-209 Henderson.
Tuesday, Dec. 9
Applied Research Lab, Francis T.S. Yu, electrical engineering, on "A New Technique of White Light Optical Processing," 10:45 a.m., Walker Conference Room, Applied Science Bldg.
Organic/Inorganic Chemistry, D. Hansen, Seattle Pharmaceutical, on "A New Synthesis of Anthracenes," 12:45 p.m., Room 333 Whitmore.
Wittenstein's Vienna, Lowell Manfull, theatre and film, on "Arthur Schnitzler," 3:30 p.m., Room 319 Walker.
Plant Pathology, James Tette, New York State Agricultural Experiment Station, Geneva, on "IPM on Fruit Trees," 3:55 p.m., Room 213 Buckhout.

- Wednesday, Dec. 10**
Acoustics, Richard C. Williamson, Lincoln Lab, MIT, on "Surface Acoustic Wave Signal Processing in a Digital Age," 7:30 p.m., Room 26 Mineral Sciences Bldg.
Thursday, Dec. 11
Chemistry, Charles dePuy, Univ. of Colorado, on "Gas Phase Reactions of Organic Ions," 12:45 p.m., Room 333 Whitmore.
Physics, B. Seraphin, Univ. of Arizona, on "Absorbers and Reflectors for High-Temperature Photothermal Solar Energy Conversion," 3:50 p.m., Room 445 Davey.

Dec. 12 is deadline to arrange holiday mail deliveries

During the period when offices are closed at University Park for the Christmas break, from 5 p.m. Friday, Dec. 19, to 8 a.m. Monday, Jan. 5, interdepartmental mail service, U.S. mail service and United Parcel service will be suspended.

If, however, a department has a special need for delivery of incoming U.S. mail on Dec. 22, 23, 24, 26, 29, 30 and/or 31 and Jan. 2, arrangements can be made for the U.S. Postal Service to deliver by calling University Mail Service, 865-5602, before 5 p.m. Friday, Dec. 12.

A department requesting this service is responsible: (1) for assigning an employee to be at work in the building at a specified time to receive the mail; and (2) for receiving all incoming mail for the building in which the department is housed.

The U.S. Postal Service will only sort incoming mail by building, not by department.

Withholding reminder

The Controller's Office wishes to remind those employees who filed an Earned Income Credit Advance Payment Certificate (W-5) or State Income Tax Non-Withholding Application (RIT-214) for 1980 that these forms expire Dec. 31, 1980.

If you qualify and wish to continue your exemption, or if you are applying for the first time, you must file a W-5 and/or RIT-214 prior to Dec. 19. Forms are available from the Payroll Department, Room 301 Shields Building.

Arts Roundup

Hagen stars in CHARLOTTE

Award-winning actress Uta Hagen will star in the monodrama **CHARLOTTE** at 8:30 p.m. Dec. 5 in Schnibb Auditorium as part of the Artists Series' Drama Series. This dramatic monologue, based on a Broadway play by Peter Hacks, explores the relationship between the 18th century genius Johann von Goethe and his actress, Charlotte Von Stein. Dr. Hagen will give a seminar at 10 a.m. Saturday, Dec. 6, on the art and craft of the actor. Attendance is limited; those with special interest in the seminar should contact the Institute for the Arts and Humanistic Studies for further information. Dr. Hagen has developed dual careers as teacher of acting and as an actress. Her stage credits are voluminous and of great distinction, perhaps best exemplified by her great performance in *Who's Afraid of Virginia Woolf?* Her most recent film performance was in *The Boys from Brazil*.

The winner of numerous awards for acting, including the Drama Critics Award (1951, 1963), the Antoinette Perry Award (1951, 1963), and the London Critics Award (1963-1964), she is the author of *Respect for Acting* (1973), a book widely considered a basic resource for the study of acting. Her seminar session is jointly supported by the Institute and the Department of Theatre and Film.

Musical scheduled for Dec. 7

AINT MISBEHAVIN', the Tony Award winning Broadway musical based on the career of legendary Jazz great Fats Waller, will be presented at 8:30 p.m. Dec. 7 in Eisenhower Auditorium under the auspices of the Artists Series. Currently one of the longest-running musicals on Broadway, **AINT MISBEHAVIN'** received both the Tony Award and the N.Y. Drama Critics Circle Award for the Best Musical of the season.

Fats Waller, born Thomas Waller in Greenwich Village in 1904, was reared in Harlem. His parents were deeply religious; to his father jazz was devil's music. Waller studied classical piano and played church organ at the Lincoln Theatre on 135th Street. In 1920 he met his mentor, the great stride pianist James P. Johnson, and soon became one of the most respected musicians in New York.

Waller raised the art of stride piano to its highest level, and was one of the inventors of swing music. He was a prolific composer, a great comedian, singer and musician — talents which made him one of the first black superstars of America.

Tickets are on sale at the Eisenhower Auditorium box office weekdays, 9:00 a.m. to 4:00 p.m. Phone orders on Mastercard and Visa accepted at 465-0255.

Carl Nordenfalk to speak

Dr. Carl Nordenfalk will be a guest of the Institute for the Arts and Humanistic Studies and the Department of Art History on Dec. 10 and 11. He will give a public illustrated lecture at 8 p.m. Dec. 10 in 230 Arts Building entitled "The Five Senses of Medieval Art." In it he will survey the representations of the five senses which have come down to us in book illumination, wallpainting, graphic art, metal work and tapestry from the 9th century to the end of the 15th century. Dr. Nordenfalk has been director of the National Museum of Stockholm (1944-68) and has taught at universities in Sweden, France, Germany, Denmark and the United States. He is the author of numerous articles and books covering a wide range in interests in art history.

Irish poet to read works

Sean Lucy, a leading Irish poet, will read from his work in the Rare Book Room, Rare Library at 4:00 p.m. Tuesday, Dec.

9. Lucy has edited as well as contributed to *Love Poems of the Irish* (1967), *Five Irish Poets* (1970) and *Irish Poets in English* (1973). His most recent collection of his own poetry is *Unfinished Sequence and other poems* (1979). Professor of Modern English at University College Cork, Lucy has also written T. S. Eliot and *The Idea of Tradition and Goldsmith: the Gentle Master*.

Christmas gala planned at Kern

"Clow at Christmas," a buffet and musical Christmas gala, will be held at 6:30 p.m. Friday, Dec. 12, in 102 Kern Graduate Building.

The buffet, sponsored by the Graduate Commons, will be complemented by instrumentalists, carolers and a Christmas reading. The feature entertainment, "Derby Ram," will perform English and lowland Scottish traditional ballads, lyric folk songs and holiday carols.

Tickets are \$5.50 per person and are available at the Kern Information Desk, 865-1878.

Bookshelf

A comprehensive treatment of running shoes, aimed at the running enthusiast, has been authored by Dr. Peter Cavanagh, associate professor of biomechanics. His 390-page *The Running Shoe* was published by Anderson World, Mountainview, Calif.

Chapters are included on the history of the running shoe, biomechanics of running, shoe manufacture, injury prevention and shoe selection. There are also 25 profiles of individuals in the "running world," among them Penn State professor and sports historian John A. Lucas.

Dr. Emilia E. Martinez-Brawley, assistant professor of social welfare, is the author of a new book, *Seven Decades of Rural Social Work: From Country Life Commission to Rural Caucus*. The book has been published by Praeger.

From the recognition of rural social work as part of Theodore Roosevelt's Country Life Commission to such recent organizations as the Rural Social Work Caucus and Rural American, rural social work has become a well recognized field within the complex network of social welfare programs. This book traces the historical development of rural social welfare within the context of national economic and social development, and helps to dispell the current conception of rural social welfare as a relatively new area of organized social reform.

The book also contains an appendix of selected articles on rural social work published between the 1930s and the 1970s.

G. W. Brindley, professor emeritus of mineral sciences, and G. Brown of the Rothamsted Experimental Station, Harpenden, England, are editors and part authors of a monograph just published by the Mineralogical Society of London and titled *Crystal Structures of Clay Minerals and Their X-ray Identification*. This volume of 504 pages and more than 100 figures and plates replaces an earlier monograph edited by Dr. Brindley in 1951 and a second edition edited by Dr. Brown in 1961.

Praeger Publishers, New York, have just published in their Special Scientific Studies Series a book by Jan S. Prybyla, professor of economics. The book, *Issues in Socialist Economic Modernization*, examines the solutions to intensive, modern economic growth offered by the contemporary Soviet-type economy. Dr. Prybyla discusses also the problems inherent in the Soviet system, the quest for economic modernization by post-Mao China, the Hungarian variant of administrative central command planning, and the model of Yugoslav market socialism.

Anybody There?

I would like to locate researchers interested in factors associated with **ADOLESCENT DEVELOPMENT IN IRELAND**. I have a cross-sectional sample of 700 Irish youth with data related to family structure, achievement, social class, sex role development, family orientation, schooling and heterosexual activity. Faculty or graduate students who would like to collaborate with me in the analysis of the data and contribute additional theoretical perspectives to the research would be welcome.

Dr. David S. Bender,
assistant professor of
educational psychology,
Berks Campus
Network: 474-3328

Thomas Rogers' third novel receives favorable review

"Sometimes books are a kind of blessing," *New York Times* critic Anatole Broyard wrote earlier this month in a highly favorable review of *At the Shores*, the third novel by Dr. Thomas Rogers, professor of English.

Published by Simon & Schuster, the book has an adolescent hero who emerges from his first experience of love with his psyche still intact.

While adolescence is a theme many authors tackle in their first — and frequently autobiographical — novels, Dr. Rogers says that he was drawn to the subject after his two daughters had passed through an adolescent period much happier than his own.

"The book makes a direct use of family background and is a much truer novel than my previous ones, which were held together more by plot than genuine feeling and the interweaving of parts." (Dr. Rogers' first novel, *The Pursuit of Happiness*, was published in 1968, and his second, *The Confession of a Child of the Century*, appeared in 1972.)

If the character of Jerry Engels, the protagonist of *At the Shores*, is not drawn from Dr. Rogers' adolescent experience, the setting in which Jerry moves is one in which the author grew up — the northern Indiana dunes and south Chicago, around the University of Chicago.

"The novel was originally going to be much longer," Dr. Rogers notes, "taking the hero from adolescence into his 30s. But as I worked on the first part, I kept going backwards, and by the time Jerry had reached 17, I found I had a complete novel."

A member of the faculty since 1961, Dr. Rogers says he has a sequel sketched out in his mind with Jerry going to Penn State. "I see him in a freshman English class beginning to get involved with his teacher."

Dr. Rogers has thus far not made use of Penn State in his fiction. "It takes me 10 to 15 years after events until I can begin to get imaginative control of them and use them fictionally," he explains.

"I think this attitude has been shaped by the way my parents related to their environment. My father was from Kentucky, and he felt it was a powerful, poetic, mythical place. My mother grew up in Seattle, and she was always talking about how much better things were in the northwest. Both my parents saw Whiting, Indiana, as nowhere in comparison to their childhood homes, and I was brought up with a sense of having to go back to where you came from. For a long time, I couldn't make connections to Central Pennsylvania because where I came from — Whiting — was the real thing. Within the past two years, however, I've begun to realize how beautiful this area is and how lucky we are to live here."

Dr. Rogers' two previous novels won wide critical praise and were nominated for the prestigious National Book Awards in fiction.

He is not a facile writer, however; eight

years have passed since the publication of his last novel.

"My publisher told me that not having a novel out every two or three years has been bad for my career," he says. "If the intervals between your books are too long, the public forgets you."

From the Press

The Life of Guido Reni. By Carlo Cesare Malvasia. Translated and with an Introduction by Catherine Enggass and Robert Enggass. 150 pages, 8 illustrations. \$11.95.

Malvasia, the close friend of Guido Reni, a major artist of the Italian Baroque, is the principal source of what is known about the painter's life. Far more than a mere chronicle of facts, Malvasia's biography reveals Reni's inner life, his pride and phobias. Reni was obsessed with sorcery and witchcraft, and his overwhelming compulsion for gambling eventually brought about his ruin.

Because this is the first book on Reni in English, the editors have added a section intended as an introduction to his rather complex stylistic development.

Robert Enggass, Callaway Professor at the University of Georgia, is a former member of Penn State's Department of Art History.

University researchers study ancient building materials

Attempting to unlock the secrets of ancient builders who designed cementitious building materials, University researchers are studying samples of mortars, plasters and concrete which have lasted for more than 2000 years.

The research is being carried out by Dr. Della M. Roy, professor of materials science, and Dr. Christine A. Langton, research associate. Also participating is Joan Mishara, a visiting research assistant in the Materials Research Laboratory who is on sabbatical leave from the Smithsonian Institution.

Collaborating with Smithsonian researchers, Dr. Roy and her associates are applying modern analytical, diagnostic and characterization methods to the ancient samples to discover the advanced technology employed by Greek and Roman builders and to compare ancient and currently used materials.

Dr. Roy is the author of more than 100 technical papers and is editor-in-chief of the journal *Cement and Concrete Research*.

Some of the samples under examination were used originally to line cisterns.

Others were part of docks and jetties in port installations built some two millennia ago. Dr. Roy collected materials dating as far back as 300 B.C. during a visit to Italy last summer, and several museums have lent her specimens from their collections.

A team including Dr. Langton, Ms. Mishara and T. A. Wertine, a research associate at the Smithsonian and former cultural attaché to Greece, is currently on a sample collection expedition in Cyprus and Greece — sponsored by the Smithsonian and National Geographic. The team is concentrating particularly on structures which once held water and has been examining archaeological sites dating back to 600 B.C.

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Radnor Center

(Continued from page 1)
missile and space division to King of Prussia. In the wake of Sputnik and the resulting government rush to push aerospace research, GE became interested in providing opportunities for graduate study to its engineers and turned to Penn State for help.

"Classes started in Fall of 1961," Dr. Weber recalls. "Initially, about 26 persons enrolled, and the program was administered by Continuing Education. By 1963, the number of students had grown to 47, and some of them had accumulated 15 credits which could be utilized in a master's degree program. The University determined its services were needed in this area of southeastern Pennsylvania, and it rented a school building in King of Prussia. The King of Prussia Center came into being officially in 1964."

The location was selected because it was at the juncture of the Pennsylvania Turnpike, the Schuylkill Expressway and other major roads — "within 45 minutes of just about anywhere in the Delaware Valley," Dr. Weber notes. Over the years, however, the building slowly deteriorated, and the school district was required to pay for repairs. Accordingly, the 3½-mile move to Radnor was decided upon in 1978.

Approximately 1,300 students were enrolled in Radnor's graduate programs during 1979-80, and during the same period another 2,300 were in Continuing Education. Graduate degree offerings include:

- Master of Engineering/Engineering Science, with courses drawn from the fields of mechanical, electrical and aerospace engineering, engineering mechanics; mathematics; computer science; physics; and material science.
- Master of Engineering/Industrial Engineering.
- Master of Education with specializations in the Education of Exceptional Children, General Elementary Education, and Mathematics.
- Master of Public Administration.

"All of these programs and the courses comprising them were approved by the Graduate Council and requisite committees of the University Faculty Senate," Dr. Weber emphasizes. "They are backed up by a library collection of about 10,000 books and documents and a Computer Center linked to the facilities at University Park."

In addition, the Center has just appointed a Program Advisory Committee, its members selected from a spectrum of Philadelphia-based businesses and industries, as well as from educational institutions and government.

Because they can draw upon almost 20 years of experience in their area of the Commonwealth, the staff at Radnor are eager to let others in the Penn State community know what they can do.

"Obviously not every degree should be offered here because of the lack of research facilities," says Lawrence S. Cote, Radnor's assistant director. "However, our location also gives us certain advantages. We are just 30 minutes from downtown Philadelphia and situated in the heartland of a highly diversified industrial area. The large corporations around us run the gamut from petrochemical and heavy engineering high technology firms to the major pharmaceutical and insurance companies. The city offers many research opportunities for graduate students in the social sciences and education; the industrial base of the area provides a market for both graduate and continuing education."

Proposals for new graduate programs from academic departments at University Park are welcomed by the Radnor staff, according to Dr. Weber. The Center is also looking for sophisticated ideas for continuing education workshops or seminars related to Penn State's graduate strengths. In November, for example, Radnor offered a one-day seminar on "Forecasting Techniques: An Introduction

Penn State Center Studies Values and Ethics

Both course development and research are central to the mission of Penn State's Center for Value Studies and Professional Ethics.

Established officially in the Spring of 1979, the Center grew out of a study commissioned by the Office of the Provost, which recommended the strengthening of value studies in the University's curricula.

Although the Center was set up within the College of the Liberal Arts, it has had an inter-college orientation from the beginning. Last Spring, the steering committee was expanded to reflect an even wider range of colleges; and Carl R. Hausman, professor and head of philosophy, was named as director, with Gary T. Alexander, assistant professor of religious studies, as coordinator.

"The nucleus of the Center was the Interdisciplinary Symposium on Values, which has been meeting regularly for five years," Dr. Hausman says. "Out of these meetings a feeling emerged that it was becoming increasingly necessary to encourage questions about values on the part of people entering the professions."

The College of Business Administration responded favorably when it was approached about incorporating a course on business ethics in its curriculum. Dr. Alexander notes, and the resulting course was well received by students.

Based on this experience, "Ethics for Engineers" is now being developed by faculty members in philosophy and the College of Engineering, and an ethics course for students with environmental concerns is being instituted.

Dr. Alexander notes that the Center is considering a project in experimental curriculum development. One possibility is to try to determine whether it is preferable to have a separate course in ethics or to interweave the teaching of ethics throughout a curriculum.

"In developing ethics courses," Dr. Hausman emphasizes, "the focus is on reflection about ethical issues, not on codes or sets of morals. 'Ethics' refers properly to a certain reflective, critical approach to mores presupposed by any profession."

"Whenever the study of ethics is incorporated into a professional course, it is easy to turn it into a justification of what people already believe," Dr. Hausman continues. "It is incumbent on faculty members, therefore, to strive to evoke a critical appraisal from students; such an appraisal may confirm the students' previously held beliefs — but only after first testing them."

"This critical and reflective aspect of the

to Statistically Based Forecasting," designed for business and human services executives.

"We are willing to tailor seminars to the interests of faculty members," notes David K. Furchner, Continuing Education area representative at Radnor.

"We have, for example, arranged seminars by Dr. Gerhard Reethof (professor of mechanical engineering at University Park) in the area of his specialization of noise control."

"Sometimes we hear the argument," Dr. Weber says, "that if we offer a particular program at Radnor, we will be taking enrollment away from University Park. There was a time when people would take off several years to finish a graduate degree, but this is now happening with much less frequency. We at Radnor are serving needs that the University could not otherwise access because our students are full-time working adults."

And Dr. Weber concludes: "We think the Radnor Center has shown that the functions of resident instruction and continuing education can be integrated successfully. By utilizing the expertise of Continuing Education in the promotion of all of our programs, we have broken new ground for the University in terms of serving as an experimental administrative model."

treatment of issues is what distinguishes the approach the Center seeks to foster from a mere repetition of codes and justification of what people already believe."

A further concern of Dr. Hausman's is the incorporation of aesthetic values into ethics courses.

Aesthetic values, he explains, have an impact on both moral and social issues. As an example, he points to problems encountered by planners confronting deteriorating city neighborhoods.

"The decaying buildings are often considered ugly," he says, "and this sense of ugliness may be related to a feeling of moral repugnance, which, in turn, influences how the planners proceed, whether they decide to tear down or preserve and renovate the buildings. The effects of aesthetic judgments are rarely examined, however."

Both Dr. Hausman and Dr. Alexander emphasize that the Center is not trying to establish a moral agency on any campus to tell people how to act. But in the aftermath of Watergate and Vietnam, they point out, many persons in the academic community are seeking a certain moral commitment.

In furtherance of its goals, the Center has already promoted a variety of activities, both applied and theoretical. They include:

- A workshop last May on "Exploring Applied and Professional Ethics."
- Serving as consultant to a program on Moral Education sponsored by the University's Office of Religious Affairs.
- Supporting a proposal dealing with ethics and the human service professions and another concerned with teaching the philosophy of creativity.

In addition to Dr. Hausman and Dr. Alexander, the Center's steering committee members are: Robert O. Blanchard, director, School of Journalism; E.R. Buskirk, director, Human Performance Laboratory; John J. Coyle, head, Business Logistics and faculty director of the College of Business Administration's Undergraduate Program; Sheldon R. Gelman, associate professor of social welfare; Henry Johnson, professor of education; Thomas Magner, associate dean for research, Liberal Arts; John W. Malone Jr., head, Agricultural Economics and Rural Sociology; Nancy F. McKenzie, assistant professor of philosophy; Donald R. Olson, head, Mechanical Engineering; and Theodore Vallance, professor of human development.

News in Brief

(Continued from page 1)

Physical Education and Recreation for 18 years. President Oswald will formally name the building, which was built under Dean McCoy's leadership.

Dean Quinn

(Continued from page 1)

electrical engineering and from The Catholic University of America with master's and doctoral degrees in physics. He joined the Penn State faculty as associate professor of electrical engineering in 1966 and was promoted to professor in 1972.

Dr. Quinn was appointed dean of academic instruction for Commonwealth Campuses in 1971. Under his leadership, the Commonwealth Campus System has developed into the largest and one of the most effective systems of its kind in this country.

Under a reorganization, the Commonwealth Campus System will become part of the new University-wide System for Continuing Education and Commonwealth Campuses, effective Jan. 1.

Staff Vacancies

The following vacancies for positions classified as staff except on staff noncompetitive basis are listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division at 2327 (network line 473-1387). Applications for these three staff vacancies will be accepted until 5 p.m., Dec. 11, 1980. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-3) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

LABORATORY SUPERVISOR, COLLEGE OF SCIENCE, UNIVERSITY PARK Operate computer systems, including the newly installed VAX system and microcomputer systems, maintain system documentation, update system, and serve as consultant to faculty. Bachelor's degree in computer science plus one to two years of effective experience. Assemble hardware and several higher level languages (reel and Digital design and interactive operating experience highly desirable.

JUNIOR ENGINEERING AIDE, APPLIED RESEARCH LABORATORY, UNIVERSITY PARK Responsible to the Project Engineer or designated Senior Engineering Aide for assistance in the planning, testing, installation, operation and maintenance of nonstandard electronic or mechanical parts, components, or equipment. Associate degree or its equivalent in electrical or mechanical engineering technology program plus three months of effective experience is required. Powers may require travel in field assignments, including assignments abroadships at sea.

RESEARCH AIDE, COLLEGE OF AGRICULTURE, UNIVERSITY PARK Layout, conduct and collect data on various field, greenhouse, and growth chamber experiments. Perform laboratory analysis of plant tissues and tissue extracts. Responsible for daily operations of crop physiology research laboratory. Install, maintain, check calibration and collect field microclimatology station weather data. Using computer interface, process and store data. Assist with design, construction, and modification of equipment of photosynthesis and plant water status experiments. Bachelor's degree in agriculture or life sciences plus one to twelve months of effective experience in a laboratory environment.

COST ACCOUNTANT, COLLEGE OF MEDICINE, HERSHEY Responsible to the Supervisor Third Party Reimbursement and Cost Accounting for the preparation of all third party cost reports and cost studies and maintenance of controls on third party accounts receivable. A bachelor's degree in accounting or equivalency plus two to three years of experience in hospital cost reporting or hospital auditing.

ENGINEERING AIDE, APPLIED RESEARCH LABORATORY, UNIVERSITY PARK Responsible to the Project Engineer or Senior Engineering Aide for the layout, design, fabrication, and construction of nonstandard electronic or mechanical components of equipment. Assist with conducting tests and with the collection, compilation, and analysis of test data. Associate degree or equivalent in electrical or mechanical engineering technology program, plus one to four years of effective experience in the design, fabrication of experimental equipment. Positions require travel in field assignments including assignments abroadships at sea.

DIRECTOR OF NURSING SERVICES, UNIVERSITY HEALTH SERVICES, UNIVERSITY PARK Responsible for the staffing of the nursing services, direction of nursing staff, maintenance of professional standards for the nursing staff of University Park and the Commonwealth Campuses, nursing policy, and supplies of inpatient and outpatient departments. Graduate of accredited nursing program or its equivalent and current Pennsylvania License as a registered nurse. A degree in nursing desirable. Two to four years of effective nursing experience is required. Post-graduate clinical experience in nursing supervision is highly desirable.

FINANCIAL AID COORDINATOR, OFFICE OF STUDENT AID, UNIVERSITY PARK Responsible to the Director of Student Aid for counseling students on financial aid matters and for assistance in internal administration of financial aid programs. Master's degree or equivalent in student personnel services, counseling education, or higher education plus one year of effective experience is required. This is a FTEED TERM 1 APPOINTMENT.

POLICE SERVICE OFFICER, UNIVERSITY SAFETY, UNIVERSITY PARK Responsible to the Police supervisor for carrying out the functions of protection of life and property, prevention of crime and good order of the community, enforcement of laws, public safety, investigative work and other related duties. Baccalaureate degree in law enforcement or the social sciences or have 60 academic credits at 2.0 or higher average and have one to two years of experience as a law enforcement officer.

BIOMEDICAL ENGINEER, COLLEGE OF MEDICINE, HERSHEY Responsible to a principal investigator in the Department of Surgery, Division of Cardiothoracic Surgery for the design of mechanical and electrical systems and components and the development of computer programs used in various blood flow studies and research. A bachelor's degree in biomedical engineering or equivalency plus one year of effective experience.

Penn State Intercom

Five University faculty members have been named to Evan Pugh Professorships — the highest honor Penn State can bestow on a faculty member.

The five, announced by President Oswald, are:

Dr. George E. Andrews, professor of mathematics;
Dr. Paul T. Baker, professor and head of the Department of Anthropology;
Dr. Rustum Roy, professor of the solid state and director of the Materials Research Laboratory;

Dr. Elliott S. Vesell, professor and chairman of pharmacology, professor of genetics and professor of medicine, and;
Dr. Philip Young, research professor of English and fellow, Institute for the Arts and Humanistic Studies.

"These five most distinguished scholars represent the very highest attainments of our University," Dr. Oswald said. "Each of them has displayed the courage to pioneer in his field, the discipline to remain at the forefront of research and the generosity of spirit to share his

accomplishments with students.

"I congratulate them on this honor, and I thank them for their contributions to Penn State."

The Evan Pugh Professorships, which honor the first president of the University, were initiated in 1960 as the Evan Pugh Research Professorships. The title was changed in 1973.

Evan Pugh Professorships are awarded to faculty members whose "research publications or creative work or both have

been of the highest quality over a period of time, and further to candidates who show evidence of having contributed significantly to the education of students who later achieve recognition for excellence in the candidate's discipline or interdisciplinary area."

A committee of seven distinguished faculty members — five of them Evan Pugh Professors — reviewed nominations for the honor and made recommendations for appointment to the president.

University names five Evan Pugh Professors



Dr. George E. Andrews



Dr. Paul T. Baker



Dr. Rustum Roy



Dr. Elliott S. Vesell



Dr. Philip Young

Dr. George E. Andrews joined the Penn State faculty in 1964 as an assistant professor. He was promoted to associate professor in 1967 and to professor in 1970. His work in his research field of partition theory has earned him recognition as one of the foremost mathematicians in the world. The petition nominating him for the Evan Pugh Professorship called him "a true giant among mathematicians of his era, and one whose name deserves to stand with those of mathematical prodigies of the past two or three centuries."

Some of the world's leading mathematicians joined in urging Dr. Andrews' selection. Referring to these, Dr. Oswald commented: "The numerous letters of recognition, both national and international, are evidence that you are one

of the outstanding mathematicians of this era."

Dr. Andrews received both his B.S. and M.S. degrees in mathematics from Oregon State University in 1960. He earned the Ph.D. from the University of Pennsylvania in 1964.

His writings have included four completed books, three others in progress and more than 100 articles in scholarly journals. He has been invited to lecture throughout the world and is a member of numerous professional organizations, including the American Mathematical Society, the Mathematical Society of America and the Society for Industrial and Applied Mathematics.

As a teacher, he has distinguished himself at all levels, from the elementary to the most advanced. As interim head of his

department, he was "an administrator of incredible persistence and energy," according to the nominating petition.

Dr. Paul T. Baker has been professor of anthropology since 1964 and head of the Anthropology Department since last July.

He joined the Penn State faculty as a research associate in 1957 and has been one of the pioneers in the theoretical restructuring of the field of physical anthropology.

"He is without question one of the two or three major figures in modern physical anthropology," his nominating petition notes. In recognition of his achievements, Dr. Baker was named to the prestigious National Academy of Sciences this year.

In selecting him for the Evan Pugh Professorship, Dr. Oswald stated: "Your

(Continued on page 4)

News in Brief

Blissell Library dedicated at New Kensington Campus

The Elisabeth S. Blissell Library at the New Kensington Campus was formally dedicated in ceremonies at the campus last month.

Taking part in the dedication were President Oswald, Mrs. Blissell, Eric A. Walker, president emeritus; Kenneth L. Holderman, member of the University Board of Trustees; Dr. Robert D. Atuckle, campus director, and Dr. Clarence W. Finley, president of the New Kensington Faculty Senate.

The library was presented with a portrait of Mrs. Blissell done by Charles W. Gibbons, New Kensington Campus art teacher and artist-in-residence. A tour of

the facility was conducted following the ceremony.

SAS Users Group Offers training course

The SAS Users Group will be offering a short course on the Statistical Analysis System from 7:30 p.m. to 9:30 p.m. on Tuesdays and Thursdays, Jan. 13-19. The data management facilities of SAS are given primary emphasis although a number of procedures will be discussed.

Individuals who will benefit most by taking the course will:

1. Be able to log on to a terminal and use INTERACT or RJE commands.
2. Have some prior experience with SAS or another comparable package (SPSS, BMD, etc.)
3. Have an INTERACT or RJE account that they can use for course assignments.

There is no enrollment limit, but all interested persons are asked to register for the course by contacting Sharon Stover at 865-6583. Room location for the course will be announced in the first week of January.

Swarthmore office closed

The Swarthmore Continuing Education office is now closed and personnel have moved to the Delaware County Campus. The address is 25 Yearsley Mill Road, Media, PA 19063. Phone 215-565-3300 or Network 361-2011.

James Brucker named major gifts director

James H. Brucker of Vermilion, Ohio, former fund-raising consultant with Ketchum, Inc. in Pittsburgh, has been

appointed director of major gifts in the Office of Gifts and Endowments.

In an effort to expand private fund-raising activity at Penn State, Dr. Brucker's first assignment will be to assist the College of Engineering and the College of Earth and Mineral Sciences in their efforts to seek major gifts from corporations, foundations and individuals. He will be under the direction of Charles Lupton, OGE executive director.

A 1971 magna cum laude graduate of Thiel College, Greenville, Pa., Dr. Brucker holds M.A. and Ph.D. degrees in history from Penn State. He was a graduate teaching fellow at Penn State in 1977-78. Dr. Brucker has served in all phases of pre-campaign and campaign capital fund-raising activities with Ketchum, Inc. since August, 1978.

(Continued on page 4)

Penn Staters

Dr. William T. Sanders, professor of anthropology, received the Alfred Kidder Award at the annual meeting of the American Anthropological Association. The Kidder Award is given to senior scholars for their contribution to American archaeology.

Dr. Sanders has conducted innovative research in Mesoamerican archaeology since the early 1950s. His projects include monumental settlement-system studies of the Basin of Mexico and the Valley of Guatemala, and he currently is undertaking a four-year project centered on the large Mayan site of Copan in western Honduras. In addition to his field research, he is an internationally-known scholar in the theoretical fields of cultural ecology and cultural evolution.

Robert C. S. Downs, director of the writing option, Department of English, was honored by the NAACP at an Awards Ceremony at the Hollywood Paldium Dec. 7 for his made-for-television movie, "White Mama," which starred Bette Davis. The awards are made annually to people in film, television, radio and sports, who have had a positive impact on the national image of Black Americans.

Dr. E. Erwin Klaus, professor of chemistry engineering, has been named co-recipient of the 1980 American Society of Lubrication Engineers' Captain Alfred E. Hunt Memorial Award. The award is presented to an ASLE member in recognition of the best paper published during the previous year in a Society publication.

Dr. Klaus and Dr. Stephen M. Hsu, a former Penn State graduate student in chemical engineering, co-authored the award-winning paper, "Estimation of the Molecular Junction Temperatures in Four-Ball Contacts by Chemical Reaction Rate Studies." The article appeared in the ASLE publications, *Transactions*.

Dr. Thadd R. Preiner, assistant professor of biology, and Dr. Charles R. Bursey, associate professor of biology, both at the Shenango Valley Campus, have received the 1981 Darbaker Award of the Pennsylvania Academy of Science for their research in microanatomy.

The Darbaker Award is given annually to recognize excellence in a published paper utilizing microscopy, and is made possible by a special endowment from the Darbaker Foundation. Their award-winning paper, *Microanatomy of the Terminal Abdominal Ganglion of the Crayfish Procambarus Blandingi* (Decapoda), also will be published in the Academy journal, *Proceedings of the Pennsylvania Academy of Science*.

Dr. H.R. Hardy Jr., professor of mining engineering and director of the Rock Mechanics Laboratory, has returned from Europe, where he spent five months as a visiting professor at the University of Aachen in Aachen, West Germany.

While on sabbatical, he presented invited lectures at the annual joint meeting of the British Geotechnical Society and the Engineering Geology Group of the Geological Society of London; the Technical University of Denmark; Riso National Laboratories in Denmark; the Universities of Karlsruhe and Hannover in West Germany, and the Building Research Establishment in England.

Dr. L.G. Austin, professor of fuels and mineral engineering and the Dr. Richard Klumpel adjunct professor of mineral processing, recently taught a six-day course on the "Theory and Applications of Milling and Classification Circuits" at the University of Concepcion, Chile. Earlier this year, he presented a two-day workshop on "Grinding Simulation" at Laval University, Quebec, Canada.

Dr. Bruce Albrecht, assistant professor of meteorology, spent last summer as a visiting scientist at the

National Center for Atmospheric Research at Boulder, Colo.

There, he presented a seminar on "Modeling the Thermodynamic Structure of the Trades." He also gave a paper, "Radiative Effect in a Model of the Trade-Wind Boundary Layer," at the 1980 International Radiation Symposium, Collins, Colo.

Dr. Harry R. Alcock, professor of chemistry, presented invited lectures at the University of Illinois, Massachusetts Institute of Technology, the State University of New York at Buffalo and the University of Southern California. He spoke on the work carried out at the University on the design and synthesis of new macromolecules containing inorganic elements.

Marian R. Lis has been named assistant director for continuing education at the Shenango Valley Campus.

Ms. Lis, who earned a bachelor's degree and a master of business administration degree from York College of Pennsylvania, has been program assistant in the York Campus Office of Continuing Education.

At a luncheon at the Nuttany Lion Inn, sponsored by the Slavic-Soviet Language and Area Center, John Balaban, associate professor of English, was presented with the Vaptsarov Medal by a delegation from the Bulgarian Writer's Union. There are 500 such medals; two others have been presented to Americans: to the poets William Meredith and Maxine Kumin.

Dr. Donald B. Johnson, associate professor of computer science, presented invited talks last month at the Universities of Arizona, Colorado, Texas at Austin and Texas at Dallas. He discussed optimal algorithms for selection in sorted matrices and the application of these results to certain practical problems.

Dr. Albert A. Anderson, associate professor of art education, has been installed as president of The Pennsylvania Art Education Association. A member of PAEA's Executive Council since 1975, he served as newsletter editor from 1975 to 1978 and as president-elect for the past two years.

Dr. Carlos Zamora, assistant professor of Spanish, was an invited panelist at an international symposium in Albuquerque, N.M., on the modern Spanish novelist, Ramon Perez de Ayala. He spoke on social determinism in the novelist's work. The program was organized by the Department of Classical and Modern Languages of the University of New Mexico and sponsored by the Center for Iberoamerican Cooperation in Madrid and the Consulate General of Spain.

Dr. Robert Stefanko, professor of mining engineering and associate dean for continuing education in the College of Earth and Mineral Sciences, has received the Donald S. Kingery Memorial Award of the Pittsburgh Coal Mining Institute. The award is given in recognition of contributions toward improving health and safety of underground coal mines.

Dr. Stefanko, who has received a number of awards for his work in mining engineering, has been a member of the University Faculty since 1957. From 1964 to 1969, he served as head of the former Department of Mining, becoming assistant dean for continuing education in the College of Earth and Mineral Sciences in 1969 and associate dean in 1976.

Dr. Vladimir S. Stubican, professor of material sciences and engineering, has been named Case Western Reserve University Centennial Scholar. He was awarded a medal by Case Western Institute of Technology and cited for his fundamental work in the field of reactions between solids at high temperature, and for his contributions in educating students who hold important positions in government, industry and universities.

While at Case Western Reserve, Dr. Stubican presented the keynote address,

"Phase Equilibria and Ordering in Zirconia Systems," at the first International Conference on Zirconia.

Dr. Richard E. Tressler, professor and chairman of the ceramic science and engineering program in the Department of Materials Science and Engineering, participated in an international workshop on "The Interaction between Dislocations and Defects in Oxides," in Lyon, France.

Sponsored by the National Science Foundation and its French counterpart, the National Center for Scientific Research, it brought together scientists from several European countries, the U.S. and Canada. Dr. Tressler reported on work he and his students have done on "Solid Solution Effects on the Flow Behavior of Alumina Crystals."

Promotions

Staff Exempt

John E. Booth, Jr., to programmer in Management Engineering.

Dale T. Hollenbach to director, Food Services at Hershey.

Charlotte A. Keene to facilities and services coordinator in Agriculture.

Marian R. Lis to assistant director, Continuing Education at Shenango Valley.

Clifford E. Lutz to supervisor, Police Services in University Safety.

William S. Rose to management assistant II in Physical Plant.

James D. Scanlon to broadcast programming specialist in Continuing Education.

Staff Non-Exempt

Anne B. Risser to research technician at Hershey.

Michael A. Walega to research technician at Hershey.

Clerical

Joyce M. Cox to clerk typist A at Hershey.

Judy M. Evelyn to control clerk B in Management Services.

Ellen L. Groehrer to clerk typist A in Continuing Education.

Donna I. Phalen to clerk Typist A at Hershey.

Audrey J. Smith to secretary B in Graduate School.

Technical Service

Frank Volk to maintenance mechanic, electrical and plumbing, at Ogontz.

John J. Vozar to community service officer at McKeesport.

Paul A. Yatchik to shipping and receiving clerk A in Housing and Food Services.

Retirements



A. Roger Grout, professor of agricultural engineering extension, will retire Dec. 31 with more than 32 years of service.

A native of Kennedy, N.Y., Mr. Grout earned his B.S. at Cornell University and his M.S. from Penn State in 1962.

He placed major emphasis on improvement of dairy housing facilities, formulating state and regional manure management guidelines, and the Penn State Plan Service.

In 1977 he was recipient of the Pennsylvania Dairymen's Association Extension Award for his contributions to the state's dairy industry and in 1978 won

the Pennsylvania Epsilon Sigma Phi Society Ruby Award for excellence in Extension programming.

Charles Golab, assistant professor of general engineering at the Mont Alto Campus, retired Dec. 1. He earned his B.S. in civil engineering at Penn State in 1939 and was associated with the railroad industry before joining the faculty on Sept. 1, 1963.

Jane H. Sheetz, administrative assistant at the Delaware County Campus, retired Nov. 29. She joined the staff July 1, 1967.

Grace K. Sunderland, clerk at the Altoona Campus, will retire Jan. 1. She joined the Altoona staff Aug. 24, 1970.

Homar A. Marshall, who joined the University on Dec. 7, 1970, will retire Jan. 3. She joined the Hershey staff May 12, 1969.

Ruth A. Handwerk, laboratory attendant at the Hershey Medical Center, will retire Jan. 3. She joined the Hershey staff May 12, 1969.

25-year chairs



Each time Shirley N. Witmer left her University employment she never thought she would be returning. "I always thought well, this is it. I'll be raising my family," Mrs. Witmer says. However, she kept returning to Penn State and was recently honored for a quarter century of service with future plans of possibly reaching the 35-year mark.

When she started out at Penn State, Mrs. Witmer was employed as a secretary in the Department of Bacteriology in Agriculture from 1945 to 1949. She returned to work as an accounting clerk in the Continuing Education Business Office from 1953 to 1955. Later, in 1960, she worked as an accounting clerk in research accounting in the Controller's Office. In 1974, she returned to the Continuing Education Business Office to her present position, as a senior accounting clerk. In her job, she works with tuition payments for all Commonwealth Campus Continuing Education courses.

Mrs. Witmer and her husband, Claude, presently live in Maternville. One of their three children, Larry, graduated from Penn State in 1970 with a B.S. degree in the College of Science.

Merrill Barlow views his present position, group leader of composition in Printing Services, as a "big change from Landscape and Maintenance," where he was first employed as a laborer 25 years ago.

"There's always something new coming up — new advances, new equipment," he says of his tenure in the printing profession.

Mr. Barlo began his career in Printing Services as a cutting machine operator in 1959, preparing paper stock for the press and operating equipment for the bindery. He also worked as a letter printer make-up man. As group leader, he supervises assignments varying from letterheads and memos to folders and brochures.

Mr. Barlo and his wife, Freda, are residents of Gatsburg. They have a son and a daughter.

University Park Calendar

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Dec. 11 — 20

Special Events

Thursday, Dec. 11

Holiday Festival VII: International Crafts demonstration, 11 a.m.-1 p.m., Kern Gallery; International Music, noon, Kern Lobby; International Holiday Candlelight Dinner, 4:45-6:45 p.m., HUB Terrace Room.

Kern/WPSX-TV, *Cosmos* series, "The Edge of Forever," noon and 1:15 p.m., Kern Lobby. Black Studies Colloquium, 7:30 p.m., Walnut Bldg. Waldo Emerson Martin, Greensboro, N.C., on "The Mind of Frederick Douglass."

Friday, Dec. 12

Holiday Festival VII: Dough Sculpture demonstration, 11:30 a.m.-1:30 p.m., Kern Gallery; HUB Craft Center, Instructor's Sale, noon-4 and 7-9 p.m., Room 312 HUB; Phi Mu Alpha Dixieland Band, noon, Kern Lobby; International Holiday Candlelight Dinner, 4:45-6:45 p.m., HUB Terrace Room; "Glow at Christmas," buffet dinner and entertainment, 6:30 p.m., Room 102 Kern; Mystery Plays, 8:30 p.m., Eisenhower Chapel.

STS/TCO luncheon, noon; presentation, 12:20 p.m., Room 101 Kern. Ronald F. Abler, geography, on "Is a World University Possible?"

Commonspace Theatre, *Dark Victory*, 7 p.m.; *Key Largo*, 9 p.m., Room 112 Kern.

Saturday, Dec. 13

Holiday Festival VII: HUB Craft Center, Instructor's Sale, 11 a.m.-5 p.m., Room 312 HUB; Children's Christmas Party, 12:30-4 p.m., Robinson Center; CSA Coffeehouse, international entertainment, 8-10 p.m., Room 102 Kern.

Sports: bowling vs. Temple, 1 p.m.; swimming and diving (women) vs. Villanova, 1 p.m.; basketball (women) vs. Villanova, 9:45 a.m. and (men) vs. East Carolina, 8:10 p.m. France-Cinema, *Bluer, Femmes Fatales*, 7 and 9 p.m., Room 112 Kern.

PSU Symphony Orchestra and University Choirs, Ralph Vaughn-Williams, *Hodie*, 7:30 p.m., Eisenhower Auditorium.

Sunday, Dec. 14

Shaver's Creek Nature Center, holiday decoration workshop, 1-4 p.m., Stone Valley. Preregistration required, 865-1851.

Sports: bowling vs. Drexel, 1 p.m. Holiday Festival VII: PSU Glee Club and Women's Chorus Concert, 3 p.m., Schwab.

University Chapel Choir Christmas Concert, 7 p.m., Eisenhower Chapel; Mystery Plays, 8:30 p.m., Grace Lutheran Church.

Commonspace Theatre, *Dark Victory*, 7 p.m.; *Key Largo*, 9 p.m., Room 112 Kern.



Czechoslovakian dough sculpture

Monday, Dec. 15

Late registration deadline. Add deadline. ARL Award Day program, 3 p.m., Room 112 Kern. France-Cinema, *Femmes Fatales*, 7 and 9 p.m., Room 112 Kern. Sports: basketball (women) vs. Polish National Team, 7 p.m. Color Slide Club meeting, 7:30 p.m., Room 189 NRE. Laurence Perkins, viola recital, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, Dec. 16

Deadline for March graduates to pay these fees at Bursar's Office and to activate diploma cards in Records Office. Comp. Lit. Luncheon, 12:15 p.m.: talk, 1 p.m., Room 204 HUB. Teresa Gonzales-Leon, Spanish, on "The Oral Tradition in Modern Spain."

Comp. Lit. Film Series, *Kamouarska*, 7 and 9 p.m., Room 112 Kern. Artists Series Film, *Bolshev Ballet, Romeo and Juliet*, 8 p.m. Eisenhower Auditorium. Sports: wrestling vs. Tennessee, 8 p.m. Shaver's Creek Environmental Center, Bill Staines, folk, 7:30 p.m., Univ. Baptist Church, 4115 S. Burrows.

Wednesday, Dec. 17

Kern/WPSX-TV, *Cosmos* series, "The Persistence of Memory," 2:15 p.m., Kern Lobby. University Readers, *Christmas Carol*, 7:30 p.m., Room 112 Kern.

Thursday, Dec. 18

Kern/WPSX-TV, *Cosmos* series, "The Per-

sistence of Memory," noon and 1:15 p.m., Kern Lobby.

University Readers, *Christmas Carol*, 7:30 p.m., Room 112 Kern.

Saturday, Dec. 20

Winter Term recess begins, 12:25 p.m.

Seminars

Thursday, Dec. 11

Food Science, Nutrition, Animal Nutrition, Michael Pállansch, U.S. Department of Agriculture, on "Food Science and Nutrition Interactions in the Science and Education Administration, USDA," 11:10 a.m., 117 Borland.

Mathematics, John Loxton, Univ. of New South Wales, on "Automata, Transcendence and Paper-folding," 1 p.m., Room 102 McAllister (new listing).

Computer Science, Peter Honeyman, Bell Labs, on "The Universal Information Assumption and Alternatives," 4 p.m., Room 325 Whitmore (new listing).

Mathematics, R. Michael Range, SUNY/Albany, on "Estimates for the Cauchy-Riemann Complex," 4 p.m., Room 102 McAllister (new listing).

Friday, Dec. 12

Physical Chemistry, Philip Walker, fuel science, on "Carbon Gasification — the Role of Active Site and Catalysts," 2:30 p.m., Room 333 Whitmore.

Monday, Dec. 15

MCGB, Michael Clark, Boston College, on "Interactions of Heavy Metals Ions with Nucleotides and Conenymes," 4 p.m., Room 101 Althouse.

Trinkley. This portion of the concert will conclude with the Glee Club's renditions of Max Regner's "The Virgin's Slumber Song" and "Good King Wenceslas," arranged by Channing Lefebvre.

Three choruses from "The Messiah" — "And the Glory of the Lord," "And He Shall Purify" and "For Unto Us a Child is Born" will be performed by the Pennsylvania Vocal Ensemble. This group, formed by Mr. Trinkley eight years ago, is a chamber ensemble of 26 male and female voices. It is approximately the size of the group that originally performed the "Messiah."

The Women's Chorus and the Glee Club will combine to sing the concluding number on the program, the "Hallelujah" chorus from the "Messiah." John Marcinkowski will provide piano accompaniment.

There is no charge for concert, sponsored by the School of Music.

China photography exhibition

A photography exhibition by Alison Taggart and C.E. Reed titled *China 1922 and 1929* is on display through Dec. 18 at the Kern Galleries.

Alison Taggart, instructor of photo journalism, is a 1977 graduate of Rochester Institute of Technology's School of Photographic Illustration. She traveled in the Peoples Republic of China in the fall of 1979. The exhibition is a result of her artistic interpretation of that visit.

C.E. Reed traveled in China in 1922 and fifteen of his photographs are included in the exhibition.

Dough sculpture demonstration

A demonstration of Czechoslovakian Dough Sculpture will be presented in the Kern Bldg. lobby at 11:30 a.m. to 1:30 p.m., Dec. 12.

The demonstration, part of the Holiday Festival VII, will be presented by Dagmar Tichy who was born and educated in Czechoslovakia and has taught jewelry making at the University.

Concert planned for Dec. 13

The Penn State Symphony Orchestra and the University Choirs will present Vaughn Williams' "Hodie" (Christmas Day) at 7:30 p.m. Saturday, Dec. 13, in Eisenhower Auditorium.

Agriculture, Dale Schwindaman, U.S. Department of Agriculture, on "Animal Welfare Regulations — Thoughts For the Eighties," 3:55 p.m., Keller Bldg. Auditorium.

Tuesday, Dec. 16

Economics/Institute for Policy Research and Evaluation, Mark Ott and Michael Wasylenko, economics, on "Implications of Changes in Energy Prices and the Composition of Final Demand for Labor Productivity," 2 p.m., Room 124 Sparks.

Philosophy of Science, Peter Gould, geography, on "Inappropriate Structures: A View from the Trenches," 3:45 p.m., Room 319 Walker. Organic/Inorganic Chemistry, L. Sneddon, Univ. of Penn., on "Synthetic Applications of Transition Metal Reagents in Polyhedral Boron Cage Chemistry," 8 p.m., Room 333 Whitmore.

Thursday, Dec. 18

Chemistry, Robert Crabtree, Yale Univ., on "Iridium Compounds in Catalysis," 12:45 p.m., Room 333 Whitmore.

Physics, Leslie Tisza, MIT, on "Differential Forms and Gauge Fields," 3:50 p.m., Room 445 Dacey.

Mathematics, Stephen G. Simpson, mathematics, on "The Incompleteness of Mathematics: Hilbert, Gödel, Cohen, Friedman," 4 p.m., Room 102 McAllister.

Schilling Science and Religion, Dale Harris, psychology, emeritus, on "Humanistic Psychology as a Secular Religion," 7 p.m., Gilpen Room, Nittany Lion Inn. Dinner also, for reservations phone 863-0524, 9 a.m.-2 p.m.

Exhibits

Chambers Gallery: Maureen Garvin, paintings, Ron Gallas, ceramics, through Dec. 19.

Kern Gallery: Polish Circus and Cultural Poster exhibit and sale, through Dec. 17. Alison Taggart, photography: International Artifacts exhibit and sale, through Dec. 18.

Museum of Art: Contemporary prints from the permanent collection, through Dec. 14. "The Art of the Needle," 18th to 20th century European paintings and lithographs to 20th century American works from the permanent collection.

Pattee Library: Robert Sadin, lithographs, through Dec. 14; Robert Greder, drawings and paintings, opens Dec. 15. East Corridor Gallery, Dave Hopkins, paintings and drawings, through Dec. 15; Robin Bergstein, mixed media, opens Dec. 16. Lending Services Lobby, Jack Enold, sculpture, Main Lobby. Christmas material from the Allison-Shelley Collection, Rare Books Room. Gordon Studer, drawings and paintings, West Lobby.

Visual Arts Gallery: MFA Graduate exhibit, through Dec. 19.

Also featured will be the Schola Cantorum, the boys' choir from Our Lady of Victory Catholic Church in State College, and three soloists — soprano Kim Dronenberg, tenor Tommie Irwin and baritone Peter Dunham.

The Schola Cantorum, composed of 16 boys between the ages of four and nine, regularly performs the Holy Liturgy of the Mass and also has participated in numerous musical events outside the church. The group is conducted by Christopher Kirkpatrick.

The free concert, which is open to the public, is sponsored by the School of Music.

Folk musician to perform

Folk musician Bill Staines will give a concert of original tunes at 7:30 p.m. Dec. 16 at the University Baptist Church, 4115 S. Burrows St., under sponsorship of the University's Shaver's Creek Environmental Center.

Tickets are \$3 and can be purchased at 267 Recreation Hall, the Shaver's Creek Nature Center at Stone Valley, or at the door. All proceeds will benefit the Nature Center and its environmental program.

Arts Roundup

Women's Chorus joins Glee Club in concert

The Penn State Glee Club will be joined by the Penn State Women's Chorus for the annual Christmas Concert at 3 p.m. Sunday, Dec. 14, in Schwab Auditorium.

The women's group will open the program with Benjamin Britten's "Ceremony of Carols," opus 28, the well-known Christmas work in 11 parts. Harpist Nan Gullo Mann, daughter of former Glee Club director Frank Gullo and a professional who has performed with the Pittsburgh Symphony Orchestra, will be the featured soloist on this piece. Three Christmas carols, Michael Praetorius' "Lo, How a Rose E'er Blooming," "Vaughn Williams' arrangement of "Wassail Song" and "In the Bleak Mid-Winter" by Gustav Holst, will be performed by soprano Suzanne Roy for the second part of the program. Ed Roy, an assistant professor in the School of Music, also will sing "The Praise of Christmas," an English secular carol arranged by Glee Club director Bruce

Evan Pugh

(Continued from page 1)

recognition as one of the major figures in modern physical anthropology and your selection to the National Academy of Sciences. . . are truly impressive."

A 1951 graduate of the University of New Mexico, Dr. Baker received his Ph.D. from Harvard University. In recent years, his research has focused on the biology and adaptiveness of high-altitude populations. He has written, edited and contributed to numerous books, and published articles in a long list of scholarly publications. His publication record also includes many abstracts, reviews and contributions to government publications.

Honors and awards have included a Fulbright lectureship, a Fulbright research scholarship, a NATO Senior Science fellowship at Oxford University and a Guggenheim fellowship. He has worked as a consultant to numerous institutions, foundations and corporations and has delivered invited lectures throughout the world.

Dr. Rustum Roy came to Penn State as a graduate student after studying in England and in his native India. He received his Ph.D. in ceramics from Penn State in 1948 and remained as a post-doctoral fellow and later a faculty member. He became a professor of geochemistry in 1957 and professor of the solid state in 1967. He has directed the Materials Research Lab since 1962.

According to his nominating petition, Dr. Roy "exceeds among Penn State faculty by almost any standard one selects: scholarship, teaching effectiveness, research leadership and accomplishment and breadth of interest and service."

Dr. Roy has pioneered in laboratory synthesis of silicates and oxides under conditions of high temperatures and high water-vapor pressures to stimulate the mineral-forming processes of the earth. In the last five years, his work in radioactive waste solidification has made Penn State the world leader in this area.

In selecting Dr. Roy, President Oswald noted: "Your contributions to the structure of ultra-fine-grained minerals, notably clay and zeolites, important both in geology and soil science, have gained worldwide recognition."

Besides his work in his research disciplines, Dr. Roy has been active throughout his career in numerous interdisciplinary fields. He is a regular guest lecturer in Penn State's Colleges of Education, Human Development and the Liberal Arts.

In recognition of his work in relating technology and science, he was selected to deliver the prestigious Hibbert Lecture last year at London University. His books and articles in various fields total more than 300, and he has lectured extensively throughout the world.

Dr. Roy is a Life Fellow of the Mineralogical Society of America, a fellow of the American Ceramic Society and an active member of numerous other professional groups.

His awards and recognition have included membership in the National Academy of Engineering and membership in the Royal Swedish Academy of Engineering Sciences. He also has served on numerous committees for national and state organizations.

Dr. Elliot Vesell joined the faculty of Penn State's College of Medicine as a professor and department chairman in 1968. He became assistant dean of graduate education in 1973.

A 1955 Phi Beta Kappa graduate of Harvard College, Dr. Vesell received his M.D. magna cum laude from Harvard Medical in 1959. While still a medical student, he and an associate published a discovery related to the enzyme lactate dehydrogenases (LDH). The discovery simplified the diagnosis of many diseases and continues to be important today.

Since 1965, Dr. Vesell has been active in the areas of clinical pharmacology and pharmacogenetics. His studies of the effects of drugs on human twins led to the

discovery that drug tolerance is largely genetically controlled and that dosage and timing of medication must take this into consideration.

Recent work has involved testing the effects of various drugs on human subjects, and his approach to identifying factors causing variation in drug response has influenced the pharmacology profession throughout the world.

Dr. Oswald commented in his selection of Dr. Vesell: "Your pioneering work and several fundamental discoveries in the biomedical sciences are truly impressive."

At the Milton S. Hershey Medical Center, Dr. Vesell became the first chairman of the Pharmacology Department, now considered one of the best in the country. He recently was elected president of the national organization of pharmacology department chairmen.

He also is president of the American College of Clinical Pharmacology and a member of the editorial boards of 10 scientific journals.

Dr. Vesell teaches over a large span of the medical curriculum in a wide diversity of disciplines. He has designed a number of courses himself. Each summer, he directs the research projects of medical students in his laboratory. Many of the projects have resulted in published works.

Before coming to Penn State, Dr. Vesell was associated with a number of health care and educational institutions, including the Loma Linda University School of Medicine, the University of Alabama Medical Center, the Georgetown Medical School, Rockefeller University and Massachusetts General Hospital.

His publications in professional journals total more than 180, and he has edited a number of textbooks and served as a consultant in various capacities.

Dr. Philip Young came to Penn State as professor of American literature in 1959—already acknowledged as the leading authority on the works of Ernest Hemingway. He received the title research professor of English and fellow, Institute for the Arts and Humanistic Studies, in 1966.

According to his nominating petition, "Professor Young typically attacks difficult problems, usually problems with psychological dimensions that invite hazy or reckless speculation, and investigates them so thoroughly, so intelligently, so responsibly and comprehensively that, when he has finished, they have been dealt with once and for all. They need no tidying up, no refining; they resist challenge; they become continually useful thereafter for all other scholars in the field."

In 1952, Dr. Young and his book, "Ernest Hemingway," drew wide critical praise. He was called "an excellent scholar, critic and literary detective" by the New Yorker. Saturday Review called the book "an example of the maturing of modern American criticism."

In citing Dr. Young's achievements, Dr. Oswald commented, "By every index, you have proven yourself an exceptional scholar. In a letter endorsing your nomination, you are identified as 'the foremost critical authority on Ernest Hemingway and a celebrated pioneer in the analysis of the power of certain myths on American literature and thought.' Your career accomplishments are a great source of pride to the University."

Besides his initial Hemingway book, Dr. Young has published two others on the novelist, including an inventory of the Hemingway manuscripts. "Three Bags Full: Essays in American Fiction" was published in 1977, and "Revolutionary Ladies" in 1979. Another book is in progress. Dr. Young also has edited and/or introduced a number of books and has authored many essays, journal articles and reviews. He also has delivered numerous invited lectures in the United States and abroad.

Dr. Young is an authority on the works of Nathaniel Hawthorne and William Faulkner, in addition to Hemingway, and his studies of basic myths in American literature are regarded as classics.

A 1940 graduate of Amherst College, he did graduate work at Harvard University and received his Ph.D. at the University of Iowa in 1948. Prior to his Penn State appointment, he was on the faculties at New York University, Kansas State University and the University of Minnesota.

The appointment of five new Evan Pugh Professors brings to 15, the total active on Penn State's faculty. The others are: Hans A. Panofsky (astrophysics sciences), Vernon J. Aspatarian (political science), Howard E. Morgan (physiology, Hershey Medical Center), Richard R. Nelson (plant pathology), Philip S. Skellern (chemistry), Philip L. Walker (materials science), Eugenio Battisti (art history), Stephen J. Benkovic (chemistry), Herschel W. Leibowitz (physiology) and Fred Rapp (microbiology, Hershey Medical Center).

News in Brief

(Continued from page 1)

Research proposals sought

Faculty from all University campuses are invited to submit proposals to the 1981-82 Research Initiation Grant Program, established to support research and other creative work in the sciences, technology, social sciences, and arts and humanities. The RIG Program for 1981-82 is limited to a new faculty on standing appointments and with a service accumulation of two calendar years or less by September, 1981.

The 12-month awards range from \$2,000 to \$5,000 and will be announced following a preliminary screening by the colleges and final recommendations from a subcommittee of the Administrative Committee on Research (ACOR).

Faculty members desiring further information should call their ACOR representatives or Commonwealth Campus directors. The proposal deadline is Monday, Jan. 19; awards will be announced by Friday, Feb. 27.

Fleet vehicle use outlined

Fleet vehicle users are reminded that only full-time University employees on official University business are authorized to drive Fleet vehicles. Exceptions may be requested under unusual circumstances from part-time employees, such as a graduate student.

Undergraduate students are not permitted to drive Fleet vehicles; however, they may act as a relief driver when accompanying a faculty or staff member on a long trip. An undergraduate student may not drive a Fleet vehicle if a full-time University employee, who assumes full responsibility, is not in the vehicle at the time.

A complete statement on University policy governing use of Fleet Operations' vehicles is in TR-10 of the Penn State Policy Manual.

Committee has funds for international programs

The University Committee for International Programs (UCIP) currently has a small amount of money that may be used by faculty members and departments to help defray costs of speakers, program development or proposals of an international nature. First priority will be given to interdisciplinary or inter-college programs or activities.

Funds should be requested at least 30 days prior to the activity by sending brief biographical data, program details, total costs and the amount requested to UCIP, 306 Willard Building.

Math department hosts visiting Chinese scholar

An international authority in analytic number theory is visiting the Department of Mathematics through Dec. 19. Wang Yuan, a Research Fellow of the Institute of Mathematics, Academia Sinica, Beijing, People's Republic of China, is a member of

an official delegation that has been visiting several American universities.

During his stay on campus, Professor Wang will present a public lecture entitled, "Applications of Diophantine Approximations to Numerical Analysis" at 4 p.m. Dec. 16 in Room 102 McAllister Building.

A graduate of Zhe Jiang University, Professor Wang studied under the mathematician Hua Loo Keng at the Academia Sinica. During the 1950s he gained international recognition for his pioneering work in applied sieve techniques to the Goldbach conjecture that every positive even integer is the sum of two prime numbers. Throughout the Cultural Revolution, Professor Wang continued to work on applications of number theory to numerical analysis. Recently, his area of interest has involved diophantine approximations, a subject of growing importance for numerical analysis.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff non-exempt have been listed with the University Employment Office for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 673-1387). Applications for these staff vacancies will be accepted until 5 p.m., Dec. 18, 1980. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

MANAGER OF PHARMACY, COLLEGE OF MEDICINE, Hershey Responsible to the Associate Hospital Director for the Administrative and technical operation of the Department of Pharmacy to include the recruitment and retention of professional, technical and clerical employees as well as providing quality service at a cost corresponding to the highest level of productivity. A master of science degree or doctor of pharmacy degree, completed ASHP approved residency in hospital pharmacy, plus three to four years of active experience. Pennsylvania registration as pharmacist or eligibility required.

Behrend seeks associate dean

A search committee has begun accepting applications for the new position of associate dean of Behrend College. The associate dean will have principal responsibilities for academic affairs.

Criteria for appointment include prior experience as a faculty member with substantial experience in faculty governance; terminal degree in discipline; substantial evidence of scholarly research and professional activity; demonstrated commitment to multi-disciplinary undergraduate education and experience in graduate education and life long learning; demonstrated ability to set priorities, supervise people, develop plans, and cultivate innovation.

Candidates should be available by Feb. 1, 1981. Nominations and letters of application (with vita) should be sent by Dec. 31, 1980, to: Search Committee, Associate Dean, Office of the Dean, The Behrend College, The Pennsylvania State University, Box 1011, Station Road Erie, PA 16563.

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Penn State Intercom



Daniel Hopkins



Gladys Ritchie



Kenneth Varcoe



Marlowe Froke

Seven named to Commonwealth Educational Network

Seven administrators have been appointed to key positions in the newly organized network integrating the University's Continuing Education system and 17 Commonwealth Campuses.

Subject to approval of the Board of Trustees, the new organization will be designated The Pennsylvania State University Commonwealth Educational Network.

The network will begin operating Jan. 1 under an administrative reorganization implemented by Dr. Robert J. Scannell, president and dean.

The new appointments are: Daniel T. Hopkins to assistant vice president and director, Division of Continuing Education.

Dr. Gladys I. Ritchie to associate dean for academic affairs.

Dr. Kenneth E. Varcoe to assistant vice president for student affairs.

Marlowe D. Froke to director, Division of Media and Learning Resources.

Angelo R. Bigatell to assistant to the vice president for business.

Thomas E. Tracy to director of the Office of Management.

Dr. John L. Leathers to assistant to the vice president and dean.

"I am extremely pleased with the organization plan worked out by Provost Edward D. Eddy, Dr. Scannell and many other members of the faculty and administration," President Oswald said in announcing the appointments today. "The new network will help to eliminate duplication of effort in carrying out the missions of the Commonwealth



Angelo Bigatell

Campuses and Continuing Education, while adding quality.

"As developed by Dr. Scannell, relationships among key officers within



Thomas Tracy

of the Division of Continuing Education in the new Commonwealth network, Daniel T. Hopkins will be responsible for continuing education programs throughout Penn State's 22-campus system.

Since January, 1980, he has been acting vice president for Continuing Education. Since he began his Penn State career in 1948, he has served in numerous capacities in the Continuing Education system, including director of administration and field services, associate and assistant director of administration and director of what then were the Behrend Campus and the McKeesport Center.

Dr. Gladys I. Ritchie, as associate dean for academic affairs, will oversee academic functions within the new Commonwealth



John Leathers

Educational Network.

She has been associate dean of Commonwealth Campuses since August, 1979. Previously, she served as interim associate dean. She joined the Penn State system as assistant professor of speech at the Delaware County Campus in 1968. She was promoted to associate professor in 1973.

As assistant vice president for student affairs, Dr. Kenneth E. Varcoe will administer student affairs programs within the Commonwealth Educational Network. He also will coordinate the student service functions of the offices of the senior vice president for administration and admissions.

Dr. Varcoe came to Penn State in 1976
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the Commonwealth organization are clearly defined, while latitude is allowed for them to develop appropriate channels with the colleges, departments and other units of the University."

As assistant vice president and director

Talks on funding change set

President Oswald and other representatives of Penn State will meet with representatives of the other Commonwealth universities early next year to discuss possible changes in the universities' method of acquiring State support.

The President told a meeting of area media that the question of preferred non-preferred status will be examined fully by representatives of Penn State, Dr. Pitt, and Temple in an effort to secure equitable treatment for the universities in the State budgeting process. "This is the first time we are approaching this issue collectively," Dr. Oswald said. "We will be looking carefully at legal problems that exist.

"I imagine Penn State could become a part of the State budget, but at the same time its relative operational freedom might be seriously jeopardized.

"The fundamental issue facing Penn State is to seek a method of having the University's appropriation considered along with other State agencies, while, at the same time, preserving the relative freedom we have as a state university."

Concerning current University calendar discussions, Dr. Oswald emphasized that a calendar decision has not yet been made. "I put forward the early-semester proposal at the outset to indicate where I was leaning — a calendar which many

(Continued on page 8)

Faculty Senate to discuss PS-23

The University Faculty Senate at its meeting Jan. 6 will discuss proposed changes in the general criteria section of the University Policy Governing Promotion and Tenure.

The changes are being proposed by the Senate Committee on Faculty Affairs, which has reviewed recommendations made by a Joint Faculty/Administrative Commission. The Faculty Affairs Committee proposes the relevant section of PS-23 read as follows:

"PS-23 Policy — II. Criteria for Promotion and Tenure. General Criteria: Promotion and tenure decisions shall be based on the following criteria, which must be applied in light of the mission of the

academic unit and the professional responsibilities carried out by the faculty member. The criteria have purposely been made general in the expectation that each academic unit may further define, elaborate AND WEIGHT them on the basis of documented primary faculty assignment. THE DISCOVERY, SYNTHESIS, TRANSMISSION AND APPLICATION OF KNOWLEDGE ARE THE RAISON D'ETRE OF THE UNIVERSITY. IN LIGHT OF THESE SEVERAL MISSIONS, TEACHING, RESEARCH, SCHOLARSHIP AND SERVICE ARE CENTRAL CRITERIA IN THE EVALUATION OF

(Continued on page 8)

Penn Staters

Dr. John L. George, chairman of the Wildlife Program faculty in the School of Forest Resources, was invited to witness President Carter's signing of the Alaska National Interest Lands Conservation Act — which tripled the nation's wilderness acreage and doubled the number of national parks, scenic rivers and wildlife refuges.

Dr. George has been involved in the nine-year effort which has led to the establishment of 97 new federal parks and wildlife refuges on about 100 million acres. At the ceremony he received a map of Alaska signed by President Carter.

Dr. Gordon F. De Jong, professor of sociology and associate director, Population Issues Research Center, recently gave an invited seminar on "Migration and Politics: An Overview of Causes and Potential Consequences of Population Redistribution in the U.S." at the East-West Population Institute, Honolulu, Hawaii. The talk summarized materials Dr. De Jong and colleagues presented at a recent briefing of the U.S. House of Representatives Subcommittee on Census and Population.

Dr. Philip A. Klein, professor of economics, presented a lecture,

"Analyzing Growth Cycles in Postwar Sweden," in Stockholm last month under the auspices of the Swedish Federation of Employers. Prior to the presentation, he spent four days in Brussels consulting for the European Economic Community.

Dr. Emily Toth, assistant professor of English, last month delivered an invited lecture, "Feminism and Cross-Cultural Translation," for the Women's Studies Society of Kyoto, Japan. Dr. Toth discussed her book, *The Curse: A Cultural History of Menstruation* (co-authored with Janice Delaney and Mary Jane Lupton), and research undertaken since the book was published. *The Curse* has also been published in Japanese translation under the title *Sayonara Blue Day* (Kodansha, publishers).

Dr. Marshall Kaplan, professor of aerospace engineering, will be featured on a one-hour CBS-television special on the space shuttle. It will be aired the evening of Jan. 1.

Dr. Lester S. Golub, professor of education, delivered an invitational paper entitled "Research in Literacy Development of Bilingual Children" at the National Conference on Research in English in Cincinnati last month.

Dr. Margaret Newman, professor of nursing, presented a paper, "The Meaning of Health," at the International Congress on Applied Systems Research Dec. 12 in Acapulco, Mexico.

An article by Dr. David L. Passmore, associate professor of vocational education, has been honored by the Journal of Industrial Teacher Education. The article — "Use of Interdisciplinary Analysis to Plan Education for Work" — was selected as the "outstanding conceptual manuscript" for Vol. 17 of the publication, which is the major journal of vocational-industrial education.

Dr. Kant Rao has been appointed deputy director of the Pennsylvania Transportation Institute. In his new capacity, Dr. Rao will have administrative and budgetary responsibility for the Institute's transportation-related research projects.

Dr. Rao has extensive experience with multimodal transportation analysis. In 1978 he conducted a study for the Pennsylvania Department of Transportation on cost-effective state transportation policies and investments with regard to Pennsylvania coal.

During 1976-78, he worked on an analysis of the impact of federal-aid programs on state expenditure decisions.

Much of his research involves economics (cost-benefit analysis) and statistical techniques. He has also done extensive work in the field of transportation finance.

An assistant professor of business logistics, he received baccalaureate degrees in mechanical engineering and management from M.I.T. and a master's degree in business administration and a doctorate in management science from Penn State.

After joining the faculty in 1976, Dr. Rao took a two-year leave of absence from the University in 1978 to become associate deputy secretary for fiscal and systems management at the Pennsylvania Department of Transportation. There he was responsible for managing the Department's \$1.4 billion budget as well as an \$11 million computer operation.

Dr. R.V. Ramani, professor of mining engineering, recently spent a week as a visiting professor in the Department of Mining, Petroleum and Geological Engineering at the University of Missouri. Earlier this year, he was appointed a member of the planning committee for the Second International Symposium on Training in the Prevention of Occupational Risks in the Mining Industry.

Staff Development

Twenty-two University employees recently took advantage of the opportunity to take a course in Supervisory Management. During the eight sessions, basic management principles were provided by Dennis W. Keiser, coordinator, Employee and Management Development. Those completing the course were:

Rose Ann Alters, secretary B, Personnel Administration; Jean Beaulieu, secretary B, Science; Margaret Bell, clerk A, Business Administration; Victoria Bordin, records team leader, Registrar's Office; Helen DeBucher, counselor, Student Affairs; Helen D'Furio, senior accounting clerk, Mathematics; Anna Dorman, assistant coordinator of contracts and business services, Continuing Education; Susan Govedich, secretary B, IRP;

Linda Gummo, records clerk A, Graduate School; Dorcas Holt, secretary B, Human Development; Lynn Korman, senior clerk, Fleet Operations; Betty Mark, research technician, Earth and Mineral Sciences; Deborah Padgett, senior clerk, Libraries; Sharon Peters, secretary A, Science; Norma Ruedy, secretary A, Business Services; Dean Sholl, business manager, broadcasting, Continuing Education; Edna Shuey, secretary B, Computer Science.

Nelson Smith, media distribution specialist, Continuing Education; Alan Smith, senior clerk, Libraries; Debbie Stahl, secretary A, Education; Jacqueline Wolfe, secretary A, Agriculture; Michael Yarnell, assignment office services assistant, Housing and Food Services.

Twenty-one employees at the Hershey Medical Center have completed an eight-week EXCEL program designed to enhance and improve the various relevant skills essential in the proper and effective performance of their jobs. They are:

Susan Abbott, secretary B, Fiscal Services; Mary Acrt, secretary B, Hospital Administration; Bridget Boyd, Secretary B, General Services; Bonnie Brandt, secretary B, Public Relations; Sharon Coons, senior budget clerk, Biological Chemistry; Betty Cooper, budget clerk, Pediatrics; Carmella DiMaggio, secretary B, Grants and Contracts; Rose Faloney, senior fax operator, Telephone Services; Sally Farr, secretary A, Deputy Controller; E. Joyce Greene, secretary B, Comparative Medicine;

Joan Groh, secretary B, Pediatrics; Mithoo Katrak, secretary B, Social Services; Ruthanne Kontra, secretary B, Medical Computer Center; Brenda Pavone, secretary B, Cardiology Services Lab; Cheryl Rhen, secretary B, Gifts & Endowments; Jeannette Schwartz, secretary

B, Multidiscipline Labs; Verna Schwartz, secretary B, Nursing Administration; Meredith Swager, employment specialist, Personnel; Nancy Thomas, secretary B, Physical Therapy; June Watson, secretary, Humanities; Judith Whalen, secretary A, Medicine.

Fourteen staff employees are recent graduates of the Oral Communications/Talking With People Course taught by Dr. Douglas J. Pedersen, associate professor of speech communication.

Those graduating were:

Ross Adams, classification analyst, Personnel Administration; Lori Benacci, operations supervisor, IRP; Dennis Bender, art specialist, Continuing Education; Howard Finney, editorial assistant, Continuing Education; Betty Fisher, associate housekeeping supervisor, Housing and Food Services; John Harchak, assistant budget supervisor, Continuing Education; Ralph Hosterman Jr., general accountant, Housing and Food Services;

Elaine Huber, assistant housekeeping supervisor, Housing and Food Services; Harry Litten, associate housekeeping supervisor, Housing and Food Services; Pauline Ponish, assistant housekeeping supervisor, Housing and Food Services; Frances Rishell, assistant housekeeping supervisor, Housing and Food Services; C. Louise Trego, administrative assistant, Management Services; Richard Young, operations supervisor, IRP; Grace Youngling, administrative assistant, President's Office.

Thirty clerical employees have completed an eight-week Writing Skills for Secretaries/Clericals program taught by James Hill, assistant professor of English. Employees completing the course were:

Maria Bayliss, production scheduling clerk A, Physical Plant; Connie Blajme, secretary B, Continuing Education; Jean Burfield, secretary B, Science; John Dixon, secretary B, Management Services; Sherry Ellenberger, secretary C, Pattee Library; Sarah Finney, maintenance clerk A, Housing and Food Services; Linda Grieg, secretary B, Publications; Virginia Jones, accounting clerk A, Science;

Sharon Jows, technical secretary C, IRP; Rita Kline, data processing clerk A, Physical Plant; Donna Krach, accounting clerk, Continuing Education; Janis Leitzell, secretary B, Education; Francis Lingle, room assignment and terminal clerk, Housing and Food Services; Sarah Matiz, receptionist, typist A, Mathematics; Jane McCoy, secretary B, Human Development; Jeannette Parson, senior clerk, Pattee Library; Holly Rasdorf, secretary, ARL; Jean Rose, secretary B, Business Administration;

Penny Rosefsky, clerk A, Physical Plant; Susan Runk, secretary B, President's Office; Patricia Simmet, secretary C, Education; Suzanne Sinclair, secretary B, Science; Jill Snook, secretary C, Physical Plant; Barbara Sommers, senior records clerk, Human Development; Sharon Stover, statistical clerk, President's Office; Marilyn Taylor, technical secretary C, ARL; Rochelle Winn, secretary C, Agriculture; Robin Yeane, secretary C, Housing and Food Services; Kathy Zimmerman, clerk typist A, Agriculture.

Carpoolers

Alice Haines, Bibliographic Service Department at Pattee Library, needs a ride from Pattee to Bouslog each weeknight at midday, starting in January. Call 865-1755 or 466-7468.

Janet Grafsmyer is seeking a ride from Pleasant Gap, to arrive for work at 8 a.m. and leave campus at 4:30 p.m. Phone 865-1791 or 359-2473.

25-year chairs

A job that involves preparing and dispensing chemicals for use in undergraduate laboratories requires a very special person — one such as F. Nevil Corl, for example, who has just celebrated his 25th year as a stockroom inventory clerk in the College of Science.

Accuracy and precision are essential in Mr. Corl's job. Unless he sees that solutions and unknowns are prepared correctly, the experiments designed for Chemistry 14 and 15 laboratory courses will not work.

Mr. Corl also keeps records of orders for the various chemistry research programs and delivers materials when they come in. Mr. Corl's wife, Beverly, a teacher's aide with the Central Intermediate Unit, have two children. Their son, Rodney, is completing his third term at Penn State. Their daughter, Sharon, attended the University and is now working at C-Cor.

Mr. Corl's hobby is gardening, and he is thinking about taking some horticulture courses as he embarks on his second quarter century at Penn State.



F. Nevil Corl

Richard J. Truscott

When Richard J. Truscott left his native England for the United States, he brought not only his family, but his training in masonry as well. Although he began his Penn State career in 1955 as a groundsman in landscaping, he was soon employed as a mason's helper. He was later promoted to his present position of mason in Physical Plant. Through his 25-year span of University service, Mr. Truscott has used his experience in the masonry trade to repair and maintain blocks, bricks, cement, and stonework on University buildings and property.

In his spare hours, Mr. Truscott likes to do as much camping as time allows. He presently lives with his wife, Frances, in Housserville. They have four children — three daughters, one son — and three grandchildren. One daughter, Frances, works as a clerk in the Map Room at the Library.

"I really didn't seem like 25 years," says Mrs. Josephine C. Corl of her tenure as a secretary in Continuing Education. "I've been interested in every phase of my work. I enjoy working and helping people."

Mrs. Corl's interest and dedication shows in her work.

"Mrs. Corl has no concept of time as it pertains to work," comments supervisor Marlowe Froke, director of the Division of Media and Learning Resources. "She frequently works at 7 or 7:30 a.m. over the noon hour, and past 5 o'clock. Mrs. Corl is probably one of the most dedicated and efficient secretaries in the University."

Mrs. Corl's many years of experience in Continuing Education have also made her a valuable asset on the job. In 1954 she began as a secretary in Business Administration in General Extension.

(predecessor to Continuing Education) In 1956 she worked in the Conference Center for a short time and left to start a family. She returned later that same year to work for Dr. Stewart Goas, associate director of Graduate and Undergraduate Instruction. After Mr. Goas' retirement in February 1971, Mrs. Corl's working knowledge of the department enabled her to keep the running until her current supervisor, Marlowe Froke, took over in April, 1972.

Mrs. Corl resides near Pine Grove with her husband, Hubert. The Corls have one son, Eugene, who is presently employed as an animal caretaker at the Research Breeder Lab.

Retirements

Mrs. Maude Gill, secretary to Dr. Lee Slenker, head of the Department of Chemical Engineering, is retiring Dec. 31 after almost 43 years of University service.

Mrs. Gill began her career at Penn State in 1938 as a part-time typist. In 1941 she became a full-time typist with the Engineering Science Management War Training Program, where she remained until 1943.

In 1944 she began her long association with the Engineering College and the chemical engineering field. She was a typist at the Petroleum Refining Laboratory founded by Professor Merrell Fenske.

She left Penn State briefly in 1946, returning in 1948 as secretary to Russell Clark, head of housing. In 1949 Mrs. Gill began working in the College of Engineering, and in 1950 became secretary to the head of Chemical Engineering Department. From that time on Mrs. Gill has been secretary to five department heads.

Mrs. Gill and her husband, Philbert, have two sons. Philbert is a graduate of West Haven College and Kansas State University and is currently teacher and baseball coach at the Western Parkway Junior High School. Michael, a Penn State graduate who received his M.S. at Iowa University and his Ph.D. from the University of Ohio, is now on the staff of the VA Hospital in New Haven, Connecticut. The Gills have six grandchildren, 3 girls and 3 boys.

When asked, Mrs. Gill tells people that she plans to relax with her husband during retirement, but it doesn't sound as if she'll have much time to do that. She says, "We expect to visit relatives and friends all over the U.S. And we may take a trip to the Holy Land with a return trip to Hawaii." Her husband, she notes, has already made plans to attend a Little League Congress in Montana in April.

The Gill family collects antiques and paintings of all kinds. Mrs. Gill says she has to do the needlework she has laid out, read all the books she's been buying, and also plans to resume music lessons. Mrs. Gill plays the organ. Most of all, according to Mrs. Gill, "My husband and I enjoy our grandchildren so much we want to go to places and do things with them before they start going their separate ways."

Valerie A. Yerg, a college health nurse in Student Administrative Service, will retire Jan. 1. She has been a member of the staff since Oct. 1, 1966.

Grace H. Oberholzer, an environmental health worker at Hershey since Nov. 16, 1970, will retire Jan. 1.



Maude Gill



Joseph D. Slenker

Joseph D. Slenker, print shop technician in the Department of Chemical Engineering, will retire Dec. 31 after 32 years of University service.

Mr. Slenker has run a multigraph offset printer, and over the years, has been responsible for printing, collating, and binding technical reports, graduate theses and dissertations, and the various class materials needed for the department's faculty and students. If his machine broke down, Mr. Slenker was able to repair the expensive equipment himself.

He began working at the University in March, 1948, in the old Petroleum Refining Laboratory which was located at the present site of Hammond Building. There he also reproduced reports, and did drafting and drawing for the research projects done at the lab.

Before coming to Penn State Mr. Slenker worked for 10 years at the Piper Aircraft Company in Lock Haven. Besides doing some flying he checked out the airplanes and made necessary instrument adjustments prior to flight testing.

Mr. Slenker and his wife, Alice, who retired in June from the Western Parkway Junior High, where she was library secretary, have three children. Their sons, Joseph and Frank, are both PSU graduates. Joseph is the basketball coach at the State College High School, and Frank teaches at Penns Valley High. Their daughter, Mary Elizabeth, is married and lives in Florida. After retirement Mr. Slenker says "I'm just going to do the things I want to do. And I am going to look into community projects such as Meals on Wheels or any other effort that may need volunteers."

Almeda M. Schildt, a senior milk testing machine operator in Agriculture and a member of the University's staff since Feb. 23, 1967, will retire Jan. 5.

Marian N. Forhringer, a resident hall worker in Housing and Food Services, will retire Jan. 9 after serving on the staff since Sept. 6, 1966.

Ellen Bayer, an administrative aide at the Ogontz Campus, will retire Jan. 1 after serving on the staff since Dec. 1, 1960.

Margaret P. Smith, a residence hall worker in Housing and Food Services, will retire Jan. 1 after serving on the staff since Sept. 30, 1969.



Donald Zell

Donald Zell, financial aid coordinator, will retire Dec. 31.

A Penn State employee for some 25 years, Mr. Zell has served in his present capacity since 1969, advising students about financial aid opportunities. Previously he served Penn State as assistant bursar and as an accountant in the departments of auditing and accounting administration.

He earned his B.S. degree in marketing from Temple University in 1950. Previously, the Lancaster County native served in the U.S. Army during World War II, remaining in the Army Reserve until 1959.

Active in community affairs, Mr. Zell has been a member of State College's Alpha Ambulance Club for the past seven years. He also has been active in the Red Cross, Cub Scouts and the Presbyterian Church.

"I'm looking forward to finding a part-time job, which will allow me to still remain active and have more free time to pursue some of my personal interests," the retiring administrator says, noting that he and his wife, Inez, will continue to reside in State College.

Of the couple's three children, Paul is employed in the State College area, Diane is a senior college student in New York State, and Ronald, a high school student, lives at home.

George A. Gardner, who joined the University on March 1, 1962, will retire Jan. 1 as a lead painter in the Office of Physical Plant.

Alice B. Keener, a clerk/typist in Agriculture and a member of the University's staff since July 1, 1962, will retire Jan. 1.

Paul W. Musselman is retiring as a janitorial worker in the Office of Physical Plant on Jan. 2. He has been a member of the staff since Oct. 31, 1973.

George E. Williams, a conference assistant in Continuing Education, will retire Jan. 1 after an association with the University which began July 1, 1966.

Flora Y. Walters, secretary in the College of the Liberal Arts, will retire Jan. 1. She joined the staff Sept. 11, 1967.



Isabelle Sechrist

January 1, 1981, will not only signify the beginning of the new year for Isabelle Sechrist, but it will also mark the beginning of a new way of life. She will no longer be making a daily 30-mile commute from Huntingdon to Penn State and will be filling her newly acquired spare time with church and volunteer work, knitting, and crocheting. Mrs. Sechrist, a University employee for 26 years, will be retiring from her Penn State position as research technician in ARL.

A 1941 Penn State graduate with a B.A. in mathematics, Mrs. Sechrist began her Penn State employment in 1954 as a research technician in the Department of Rural Sociology. She later transferred to the Ordinance Research Laboratory, predecessor to the Applied Research Laboratory. In her duties as a research assistant, she has been involved with data reduction research, computer programming and plotting. Mrs. Sechrist received her 25-year award in 1979.

"I feel that I've had 21 1/2 good years," notes Marian M. Kern. "Although my job has had its ups and downs, the good days have far exceeded the bad days." Miss Kern will retire Jan. 1 as an operator in the Sewing Room in Housing and Food Services.

A Spring Mills resident, Miss Kern plans to do "anything that comes to mind" during her retirement days. She anticipates the possibility of doing some traveling, but not in the chilly winter months. She also enjoys sewing at home and plays the organ and piano at her church.

Miss Kern joined the University staff in 1959 as a maid working in the dorms. She assumed her present position as operator in 1965 and sews "anything that needs to be sewn" from dresses to mending uniforms for University Park and the other campuses.

Rosemary H. Branding, who joined the University on March 1, 1966, will retire Jan. 1 as a secretary in the Graduate School.

M. Ruth Cramer, a secretary in the Office of the Controller, will retire Jan. 1. She has been a member of the staff since Aug. 1, 1962.

Samuel D. Diaz-Pumara, a glassblower in Intercollege Research Programs, retired Oct. 29 after serving on the staff since Jan. 3, 1972.

Esther M. Wilson, who joined the University June 1, 1959, will retire Jan. 1 as a production coordinator in Management Services.

Eleanor A. Frederick, a secretary at the Beaver Campus, will retire Jan. 1. She has been on the staff since July 17, 1967.

Golan studies arid zone planning problems

Dr. Golan is a man with ideas whose have come. Dr. Golan, professor of urban and regional planning in the Department of Architecture, is editor of a new volume, *Housing in Arid Lands: Design and Planning*, published by The Architectural Press, Ltd., London. Dr. Golan, who grew up in Israel, has devoted his professional life to the study of arid zone planning and new town development.

"Financial and other resources for new settlements and large scale development are flowing to the arid zones in Iran, Israel, Saudi Arabia, Egypt, Australia, the southwestern United States and some parts of Africa," Dr. Golan writes in the preface to the book.

Despite this prosperity and growth, Dr. Golan points out that "there has been limited research on non-existent research on the development of traditional and unique urban and urban systems to meet the arid climate of arid zones."

The book, 19 chapters long, represents a pioneering systematic study of many of the problems of arid housing and

planning. Twenty contributors, including several from the Mid East and Australia as well as many Americans, have lent their expertise from such varied disciplines as chemistry, archeology, engineering and, of course, architecture and planning.

Several of the chapters are investigations of arid housing and planning as practiced in ancient cultures and Dr. Golan refers to the current expansion in arid zones as a "redevelopment."

He points out that early civilizations that emerged in arid zones developed urban centers and houses which could cope with the harsh climate. Yet most of this technology has been lost or ignored and "current planning for arid zones has occurred by the simple application of non-arid zone patterns."

He cites three ancient cultures, those of Mesopotamia, the Indus Valley and Egypt, as prime examples from which today's arid planners might learn and "Housing in Arid Lands" offers insight into these early accommodations in harsh climates. (There is also a chapter on Egypt's ancient



Gideon Golan

adaptation to aridity, the pueblo.)

One of the ways that ancient cultures adapted to harsh environments was by moving underground and Dr. Golan has

contributed a chapter to the new book on the development of subterranean settlements. He contends that underground housing, with its attendant lowered temperatures, can provide energy-free cooling in hot and dry climates where air conditioning costs are the major item in energy expenditures.

He offers several modern-day versions of subterranean living, most of them sited on sloping terrain with one side open to the outside, a design that he feels will overcome claustrophobic reactions to this style of dwellings.

"An innovative approach to underground placement can provide a comfortable environment, one that is cost-effective and does not spend our fuel reserves," he concludes.

Not all of Dr. Golan's interest in arid zone development is scholarly. As a young man in Israel he helped to found and build Kibbutz Be'eri in the Negev region and he served in a number of key planning positions with the Israeli government before immigrating to this country in 1967.

He is the author of a dozen scholarly volumes, principally on arid zone planning

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Statement of Policies, Procedures, and Guidelines: The Penn State

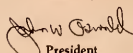
To: Members of the University Community

In January of this year, the Board of Trustees directed the administrative integration of our systems of Commonwealth Campuses and Continuing Education. The administrative unit formed by this integration will be known as the University's Commonwealth Educational Network, subject to Board of Trustees approval.

The Trustees further directed that this administrative integration be implemented after basic policies for the new unit had been developed through full and appropriate consultation. The following policy statement has been developed through a six-month period of consultation involving faculty and administrators from throughout the University. It implements the administrative integration and is effective January 1, 1981.

This policy statement supersedes and replaces existing basic policy documents for Continuing Education (1968) and Commonwealth Campuses (1972) and the several discussion papers and policy drafts circulated in recent months concerning this administrative integration.

Sincerely,



President

Purpose and Sources of Policy

This document implements the administrative integration of the previously separate Offices of Continuing Education and Commonwealth Campuses to form The Pennsylvania State University's Commonwealth Educational Network. It does not present all policies, procedures and guidelines of the University which apply to the administrative unit nor does it reiterate all policies and procedures of the unit itself. It is limited to those items which require revision or restatement to implement the administrative integration.

This document deals with the Commonwealth Campuses in much more detail than it does with the formerly separate structure of Continuing Education. This is not an indication of the relative importance of either of the two formerly separate administrative units within the new organization. It reflects the fact that most of the decision making in Continuing Education can be governed directly by general University policies and procedures. The operation of the Commonwealth Campuses, on the other hand, has required, and continues to require, significant modifications of the general University policies.

This document draws from and replaces two separate documents, "Academic Organization, Policies and Procedures for the Commonwealth Campuses," issued by President Oswald in 1972, and "Policies, Procedures and Guidelines for Continuing Education, Program Operation in Commonwealth and Capital Campus Areas," issued by former President Walker in 1968. All other policies and procedures remain in effect until specifically revised by future actions.

I. DEFINITION OF TERMS

Any statement or restatement of policy, procedures and guidelines must be based on a common understanding of the key terms. Most terms utilized herein are not new, either in definition or application. In some instances, however, they have developed implied meanings which are inconsistent with policy and are inconsistent across the University.

The Pennsylvania State University Commonwealth Educational Network

The University's Commonwealth Educational Network is an administrative unit, authorized by the Board of Trustees in 1980. Formed by the integration of the formerly separate administrative units of Continuing Education and Commonwealth Campuses, the new unit is assigned responsibility for two broad groups of University activities:

1. All programs, including Continuing Education, operated through one or more of the seventeen Commonwealth Campuses; and
2. All programs defined as, or administered through, Continuing Education, regardless of location.

Administrative Integration

This statement of policy, procedures, and guidelines implements the administrative integration. It does not change the basic academic policies of the University. It is intended to accommodate, rather than alter, the academic policies of the University. It does not eliminate either the Commonwealth Campuses or Continuing Education as educational concepts or as identifiable entities within the University. It is intended to retain the concepts and strengths that each of the two units embodied while creating a more flexible, efficient and effective total operation.

Continuing Education

The term "continuing education" identifies an educational concept implying community service and life-long education through which people seek self-improvement, for career or personal purposes, through virtually any means of education. The term "Continuing Education" also identifies a major University administrative division charged with the responsibility for providing continuing education opportunities and community services. By definition, Continuing Education does not have responsibility for the programs offered through the Cooper Active Extension Service of the College of Agriculture.

The term "continuing education program" is used interchangeably in two primary ways:

1. To identify a program that has been designed specifically for the continuing education needs of a segment of the population; and

2. To identify any program that is administered by Continuing Education personnel.

Operationally, continuing education programs (other than those of the Cooperative Extension Service) are defined as all informal University instruction programs, such as non-credit workshops, conferences, clinics, institutes, short courses, etc.; unit courses; correspondence courses; all credit courses conducted at locations other than Penn State campuses; and all credit courses conducted on Penn State campuses which are scheduled primarily for students other than full-time degree candidates.

Resident Instruction

The term "resident instruction" identifies an educational concept which implies full-time study, generally in pursuit of an academic degree.

"Resident Instruction" is the term identifying administrative structures, techniques, and procedures that are used in administering those courses and activities designed primarily for the full-time student pursuing an academic degree.

The term "resident instruction programs" identifies programs, generally of credit instruction, offered primarily for full-time degree candidates.

Credit Courses

A credit course is an organized body of instruction for which academic credit is granted. Credit courses may be delivered through Continuing Education or Resident Instruction administrative channels. Credit courses can be used in either Continuing Education or Resident Instruction programs. The basic content and content of a credit course is not changed by the type of students enrolled, the credit goals and aspirations, or the administrative channel through which registration and grades are processed.

Commonwealth Campuses

The Commonwealth Campuses of the University are Allentown, Altoona, Beaver, Berks, Delaware County, DuBois, Fayette, Hazleton, McKeesport, Mont Alto, New Kensington, Ogonitz, Schuylkill, Worthington Scranton, Shenango Valley, Wilkes-Barre, and York.

Continuing Education Service Area of a Campus

A "campus service area" is the geographical area within which primary responsibility for continuing education programs has been assigned to a particular campus. These areas are determined after considering such factors as population, adequacy and location of highways and other transportation facilities, the geographic relationship of one campus with another, boundaries of various governmental units, and administrative feasibility.

The delineation of a campus service area is a matter of administrative necessity by policy and is neither an implicit nor explicit definition of an area from which students must come to participate in programs offered by the campus.

Campus service areas are defined in detail in statement documents. The defined areas serve as guidelines to assure full coverage of the Commonwealth, but as a practical matter are quite flexible. When boundaries are crossed, however, administrators at both of the concerned campuses should be informed fully.

Continuing education programs involving more than one campus or offered as state-wide programs are coordinated by the Office of the Vice President and Dean of the University's Commonwealth Educational Network, frequently with minimum reference to defined area boundaries.

Academic and Administrative Responsibility and Authority

As used in this document, "academic responsibility and authority" refers primarily to the approval of course and program content and the approval of faculty members. This responsibility and authority reside with the faculty of the University as organized through the University Faculty Senate and the disciplinary structure of departments, divisions, and colleges, and with academic offices such as the Provost, college deans and department heads.

The term "administrative responsibility and authority" refers primarily to the responsibility for offering and implementing programs, assigning approved faculty members to specific courses and programs, and related responsibilities.

In colleges, divisions, and departments, administrators directly exercise both academic and administrative authority. The department head is instrumental in the academic approval of course or program content and in the administration of its offering at University Park. When courses are offered through Continuing Education or at a Commonwealth Campus, the primary site of academic authority remains with the college, division, and department unless specifically delegated by the Senate or the academic unit. Administrative responsibility, on the other hand, shifts to the University's Commonwealth Educational Network. In all educational programs offered through Continuing Education or at a Commonwealth Campus, the responsible administrators must interact continually to meet their shared responsibilities.

II. BASIC ASSUMPTIONS

The following general principles and assumptions guide the organization and operation of the University's Commonwealth Educational Network.

1. The University functions as one institution and not as a collection of separate campuses or program delivery systems. Careful planning and coordination of all programs, regardless of location or administrative delivery system, are essential to the implementation of the concept of one University, one academic program, and one faculty.
2. The existence of a unitary University faculty, organized by academic disciplines into colleges, divisions, and departments which cross all geographic and administrative delivery systems, has been a major strength of the University and shall be retained and enhanced in all subsequent policies, organizational structures, and procedures.
3. The University has an obligation to provide a wide array of educational opportunities. The opportunity to pursue educational goals through various instructional programs should be made available to students as broadly as practical, regardless of geographic location. It is essential, therefore, that there continue to be University-wide academic policies and organizational

structures that ensure comparable quality in academic programs wherever and however they are offered.

4. Students enroll in The Pennsylvania State University in specific programs at specific campuses although they frequently change their educational goals and plans during their study within the University. The University, therefore, should maintain and increase appropriate opportunities for flexibility of student movement from program to program and from campus to campus within the total University.

5. Policies, organization and procedures developed for the University's Commonwealth Educational Network, or for any specific campus or other part of the unit, must be compatible with appropriate University-wide policies and with the academic policies of the University.

6. While policies, organizations, and procedures must assure a broad base of comparable academic programs throughout the University, they must also accommodate the important and contributing campus makes to its local community and geographic area.

7. Sufficient organizational and policy flexibility is necessary to permit appropriate response to the unique needs of each campus area. Each campus is expected to establish and maintain effective working relationships with local business, industrial, educational, agricultural, labor, and civic leaders. The assistance and participation of the Campus Advisory Board is a major contribution to the campus in this task. The campus is an essential academic resource at any campus is the local campus faculty. Each campus has a faculty organization to facilitate the exchange of views among its members and between with the campus administration. The extent of academic authority delegated to a campus faculty organization varies and is determined by the University Faculty Senate, the colleges, divisions, departments, and the academic office of the University. Any such delegation should not preclude the faculty from retaining the unitary faculty structure of the Penn State system.

(2) to assure that a campus can be responsive to the educational needs and opportunities of its area.

9. In implementing the unique interaction of authority structure inherent in the Commonwealth Campuses, faculty members should participate in the development of coherent educational plans for their campus, and the identification of unique opportunities or needs, through their local campus faculty organization. Faculty members should participate in the development, revision, and approval of courses, curricula, programs through departmental, college, and University-wide committees and organizations. The identification of needed programs, and the delivery of those programs are primarily campus responsibilities. The development and approval of programs are responsibilities of the appropriate University disciplinary faculty.

10. More than half of the Penn State baccalaureate degree candidates begin their academic programs at a Commonwealth Campus. The Commonwealth Campuses, therefore, provide a unique opportunity for developing and testing new and innovative approaches to instruction. Faculty members at the Commonwealth Campuses should consider improvement of instruction to be significant, although not exclusive, portion of their assignments and should receive reward and recognition accordingly.

III. BASIC ADMINISTRATIVE ORGANIZATION

Vice President and Dean of The Pennsylvania State University Commonwealth Educational Network

Responsibility for the University's Commonwealth Educational Network is delegated to a University administrative office headed by the Vice President and Dean, who reports to the Provost of the University. The Vice President and Dean has been delegated the responsibility as the chief executive officer for both administrative and academic matters of the Commonwealth Educational Network. The Vice President and Dean is authorized to develop, and when necessary, a staff structure, forming the Office of the University's Commonwealth Educational Network, to meet efficiently and effectively the responsibilities of the position. The administrative structure shall accommodate appropriately the similarities and differences among the various campuses of the University and the regional nature of many programs and functions.

Major portions of the responsibilities focused in this position are shared with other University administrators. College deans and department heads, for example, have University-wide academic responsibilities which must be accommodated by the administrative arrangement. Other specialized officers such as the Dean of Administration and Director of Financial Aid are also responsible for University-wide functions. In addition to providing academic administrative leadership to the unit, the Office of the Vice President and Dean must assure that all activities of the unit are consistent with University policies and utilize the most appropriate resources and expertise available.

Commonwealth Campus Director

Responsibility for administering all affairs of the University within a campus area, except specifically excluded programs of the Cooperative Extension and certain practicum courses administered through other campuses, is delegated by the Vice President and Dean to the Commonwealth Campus Director. The Director is responsible for administering the principal functions of the University's Continuing Education, continuing education, and research) within the campus area and for planning and administering the annual budget supporting these functions. The Director is responsible for developing and maintaining relationships with the community through the Campus Advisory Board and effective working relationships with business, agricultural, industrial, labor, educational, and civic leaders in the campus area. The Director is responsible for establishing a campus administrative structure which is responsive both to the needs and to University-wide policies and procedures. The campus administrative staff must work closely with the various academic colleges and departments in planning and implementing programs and must complement faculty development efforts in academic departments.

Pennsylvania State University's Commonwealth Educational Network

Campus Administrative Staff

There is no uniform structure for an individual campus administrative staff. The particular administrative structure of an individual campus requires concurrence between the Campus Director and the Vice President and Dean. The Campus Director is expected to develop an organization for campus administration which effectively and efficiently meets both local and system-wide needs. In general, the basic campus staff will be organized around individuals, or groups of individuals, specializing in the administration of Student Affairs and Services, Business Services, Resident Instruction, Continuing Education, and Community or University Relations. The measure of a particular campus administration is not its structure but how well it meets local and system-wide needs and opportunities. All members of a campus administrative staff report to the Campus Director and are accountable to the Director. The Director, in turn, is accountable to the Vice President and Dean for the performance of the campus administrative staff.

Campus Faculty Organization

The faculty at each campus is an essential resource in planning and implementing programs which fulfill the campus mission. A faculty organization has been established at each campus. The academic authority and responsibility of these organizations may vary from campus to campus. The University Faculty Senate, in accordance with the provisions of its constitution and bylaws, may recommend to the President of the University the delegation of academic authority to local faculty organizations. The campus faculty organization also serves in an advisory capacity to the Campus Director in all matters of concern.

Commonwealth Campus faculty members must be involved actively in the shaping of the curriculum via appropriate departmental, college, and University-wide committees. It is the responsibility of each department head to ensure that Commonwealth Campus faculty members are involved adequately in all appropriate departmental activities concerning academic curricular affairs. A similar responsibility rests with each college dean for involving campus faculty members in collegiate committees. In addition, the University Faculty Senate constitutionally is required to ensure adequate representation of Commonwealth Campus faculty members on its academic and curricular committees.

The important distinction here is that, while the faculty organization is a valuable part of each Commonwealth Campus, curricular responsibilities rest with the University-wide structures of the academic departments and colleges and with the University Faculty Senate. Any change in this arrangement requires constitutional action by the University Faculty Senate and the University President.

Campus Advisory Board

Each Commonwealth Campus (except Ogonite) has established a Campus Advisory Board under policies and procedures stipulated by the University Board of Trustees. Advisory Boards are incorporated as nonprofit organizations within the Commonwealth. The Advisory Boards provide vital support to the campuses in many areas. Most importantly, however, they are the primary bodies of organized contact between the campuses and their communities and, as such, are critical to efforts to develop individual campuses properly responsive to community needs.

Academic Departments

The academic structure of the University is based on groupings of faculty and programs by discipline. Such organizations are generally referred to as academic departments, although some are known officially as divisions or program faculties. Each department is a University-wide structure with University-wide responsibilities. A department has academic responsibility for course and program content approval, and for the approval of faculty assignments to courses and programs, in its discipline regardless of the manner or location of the educational delivery. All faculty members, regardless of location or assignment, are members of their appropriate academic departments and relate to the appropriate department head or administrator.

Each department head is expected to organize the administrative and committee structures of the department to accommodate properly these University-wide responsibilities and the differing needs of faculty at various locations working in various program delivery systems.

Academic Colleges

The academic departments are organized into colleges, each of which is headed by a dean. The University-wide responsibilities of the individual departments are also held by a college. In the case of a department, this responsibility relates to a particular discipline. In the case of a college it relates to a group of departments or disciplines. Each college dean's staff organization includes one or more assistant associate deans who relate to the programs and faculty of the college. In Continuing Education and at the Commonwealth Campuses, the assistant or associate deans serve as the primary liaison between the college and its administration, and the University's Commonwealth Educational Network.

Academic Affairs Committee of The Pennsylvania State University Commonwealth Educational Network

The Academic Affairs Committee of the University's Commonwealth Educational Network provides close liaison among Commonwealth Campuses, other administrative units offering continuing education programs, and the various colleges of the University in the planning, development, and implementation of academic programs at the Commonwealth Campuses or through Continuing Education. Membership includes a cross section of administrators and faculty drawn primarily from the administrative structures of the campuses and colleges.

Constitutive Relationships

The Office of the Vice President and Dean is expected to maintain open relationships with a wide variety of committees, councils, and University officers. Specifically included are appropriate committees of the University Faculty Senate, the Academic Deans, the Campus Directors, appropriate student government groups, and the President's Staff.

IV. ACADEMIC PROGRAMS

All academic programs, courses, and curricula offered through the University's Commonwealth Educational Network are approved by the University Faculty Senate or through mechanisms authorized by it. All instruction must be by faculty members, either full- or part-time, who have been approved for assignment by the appropriate college, department, or division.

The Vice President and Dean of the University's Commonwealth Educational Network is responsible for assuring that the academic offerings of the unit are properly planned, administered, and evaluated. To accomplish this, the Vice President and Dean will establish necessary communication mechanisms between and among colleges, departments or divisions and the Commonwealth Educational Network.

The University's Commonwealth Educational Network has an obligation to serve any location in the Commonwealth with academically approved programs whenever warranted by the needs and interests of adult citizens and whenever suitable resources are available. The Vice President and Dean is authorized to commit all or any part of the local or statewide physical, fiscal, and personnel resources of the Commonwealth Educational Network to such programs, including those programs involving contracts with, or grants from, private or governmental agencies.

V. PERSONNEL

The personnel policies of the University's Commonwealth Educational Network need not repeat or restate basic personnel policies of the University. They address only those situations in which additional interpretation is needed to implement University policies in the unique circumstances of this administrative unit. They primarily address the unique situations shared by personnel at Commonwealth Campuses.

There are three basic principles which guide these personnel policies in the unit:

1. Actions or recommendations concerning academic personnel at Commonwealth Campuses require consultation between the Campus Director and the appropriate college dean and department head. Actions or recommendations concerning personnel classified as administrative or staff at Commonwealth Campuses require consultation between the Campus Director and the appropriate officer holding University-wide responsibilities for the administrative area(s) in which the staff member functions.
2. Many actions or recommendations, specifically including hiring, promoting, tenuring, terminating, or adjusting the salary of academic and staff personnel, require the formal concurrence of the Campus Director and the appropriate University officer(s).
3. To provide for proper coordination, uniformity of practice, and a system-wide point of view, all personnel recommendations and actions are processed through, and require the concurrence of, the Office of the Vice President and Dean of the University's Commonwealth Educational Network.

Communication of Personnel Actions at the Commonwealth Campuses

Notice of all formal actions affecting personnel at a Commonwealth Campus shall be transmitted by the Campus Director. Since most personnel actions require concurrence or consultation among several parties, all involved must accept responsibility for timely effort to avoid unilateral action.

This policy on formal notice of personnel action does not restrict direct communication between system-wide or university-wide administrators and individual campus faculty or staff members on academic, technical, or professional matters.

The operational approach must achieve a balance between the responsibility of the Campus Director to operate a Campus effectively and the responsibility of the University to utilize the best available expertise in its academic and administrative decision-making processes.

Personnel Recruitment

Initial responsibility for personnel recruitment rests with the Office of the Vice President and Dean, which will authorize positions to be filled. For positions at Commonwealth Campuses, the Office will establish procedures to facilitate the cooperative efforts of the Campus Director and the appropriate University officers involved in the recruiting process.

Basic qualifications for faculty and staff positions at Commonwealth Campuses will be determined by the appropriate University officer in consultation with the Campus Director. Qualified candidates will be interviewed by representatives of the college or the department, or other appropriate unit, and the campus.

Appointment of Personnel at Commonwealth Campuses

When the Campus Director and the appropriate University officer(s) concur on the suitability of a candidate, the Campus Director will forward the joint recommendation with respect to rank and salary to the Vice President and Dean of the University's Commonwealth Educational Network. If the Vice President and Dean concurs, the appointment will be approved or, in the case of Associate Professor and Professor appointments, forwarded to the Provost for final action. The offer of appointment, as specified in the section above entitled "Communication of Personnel Actions" shall be made by the Campus Director.

Personnel Development

The Vice President and Dean of the University's Commonwealth Educational Network is responsible for coordinating and facilitating faculty and staff development. Whenever practical, development opportunities shall be made available to all faculty and staff members, regardless of college, department or area of administrative responsibility. The Vice President and Dean must assure that this personnel development program is complementary to, and effectively interacts with, specific personnel development activities and programs of the academic departments and other organizational units.

Evaluation of Personnel

The Vice President and Dean of the University's Commonwealth Educational Network is responsible for coordinating and facilitating a system of annual evaluations of all personnel in the administrative

unit. Evaluation of faculty members shall be based on the criteria of PS-23. Staff shall be evaluated on the basis of their position description and responsibilities. For personnel located at Commonwealth Campuses, this system shall provide for close consultation among the Campus Director and appropriate University officers. The results of this evaluation will provide the general basis for recommendations concerning merit salary increase considerations.

Personnel Discussions

The department head or other appropriate University-wide officer, or a designated and approved representative, shall meet with each member of the faculty and staff of the Commonwealth Educational Network at least once each year for discussion of professional performance. For faculty and staff at Commonwealth Campuses, the general content of such discussions shall be summarized as a matter of record for the Campus Director. It is assumed that such interactions will occur many times each year, but it is required that at least one such meeting occur, and be summarized as a matter of record, each year.

Salary Adjustment

Annual salary adjustments are dependent upon the magnitude of resources available for such purposes and are subject to guidelines established by the President. Within these guidelines, and taking into account the conclusions reached in the annual personnel evaluation process, the Campus Director or other appropriate administrator within the administrative unit may recommend a salary adjustment for each faculty and staff member to the Vice President and Dean. The Vice President and Dean will make a final recommendation to the Provost; based on these recommendations, after consultation with the appropriate deans, department heads and other University officers. It shall be the responsibility of the Vice President and Dean to resolve cases in which there is substantial disagreement between a campus director and a dean, department head or other appropriate officer on any salary recommendation.

Academic Promotion and Tenure

The Commonwealth Educational Network unit is governed by University Policy PS-23 and its annual administrative guidelines in all matters of academic tenure and promotion.

Class Assignment for Faculty Members at Commonwealth Campuses

Responsibility for assigning classes to individual faculty members at Commonwealth Campuses rests with the Campus Director. In making class assignments, the Director must assign faculty members only to courses which they have been authorized to teach by the appropriate college or department. The Director also, insofar as practical, must make the term by term and annual "teaching load" assignments of each faculty member within guidelines provided by the Vice President and Dean after consultation with department heads and deans.

Assignment of Duties

Responsibility for the assignment of duties to personnel at Commonwealth Campuses, including the assignment of courses to faculty members, rests with the Director. The underlying principle to be used by the Director in assigning duties to personnel shall be to make the most effective and efficient use of personnel and facilities in achieving the highest quality program possible within the available fiscal resources.

Cases of unresolved dispute between a campus director and a department head, dean or other officer holding University-wide responsibility, regarding either class assignment or total assignment, shall be resolved by the Vice President and Dean of the University's Commonwealth Educational Network.

Sabbatical Leaves for Faculty Members at Commonwealth Campuses

A request by a Commonwealth Campus faculty member for a leave of absence with pay (sabbatical) must have the approval of the campus director, the dean, and department head before it will be considered by the Vice President and Dean. Assuming concurrence, and the availability of funds necessary to maintain essential services and programs during the period of absence, the request will be recommended by the Vice President and Dean to the Provost for action.

Part-Time Faculty Members

The appointment of part-time faculty members at Commonwealth Campuses or in Continuing Education is subject to concurrence between the appropriate disciplinary department and college and the Campus Director or Continuing Education administrator, regardless of whether the assignment is to be administered through the Continuing Education or Resident Instruction office of the campus. Clerical and Technical Service Personnel

Actions involving clerical or technical-service personnel are not subject to the types of concurrence and consultation necessary for faculty and staff members. Actions regarding such personnel are taken in accordance with University policies and procedures.

VI. BUDGET ADMINISTRATION

The Vice President and Dean of the University's Commonwealth Educational Network serves as the executive officer for budgets supporting activities in the system. Responsibility for the annual budget operation and budget planning for a Commonwealth Campus is delegated to the Campus Director. The Campus Director is responsible for operation and planning Continuing Education programs at locations other than Commonwealth Campuses is delegated to appropriate members of the staff of the University's Commonwealth Educational Network.

There are two exceptions to this general approach. Those budgets administered on a University-wide basis by officers outside the unit of the Commonwealth Educational Network, currently include such functions as major maintenance, bookstores, housing and food service, and parking, are not delegated to a Campus Director. In addition, there are, and will continue to be, specific academic programs which are budgetarily administered on a system-wide basis, generally by the Office of the Vice President and Dean.

The Vice President and Dean is expected to plan and administer all budgets within the unit in an interactive fashion to produce the highest degree of cost effectiveness possible.

University Park Calendar

Dec. 18-Jan. 18 Special Events

Thursday, Dec. 18
Kern/WPSX-TV, *Cosmos* series, "The Persistence of Memory," noon and 1:15 p.m., Kern Lobby.
University Records, *Christmas Carol*, 7 p.m., Room 112 Kern.

Saturday, Dec. 20
Winter Term recess begins, 12:25 p.m.

Monday, Dec. 22
University offices closed for holiday break, through Jan. 4.

Saturday, Jan. 3
Sports: fencing (men) vs. Jersey State, 1 p.m.

Sunday, Jan. 4
Residence Halls open after Winter Term recess, 10 a.m.
Sports: basketball (women) vs. North Carolina, 2 p.m.

Monday, Jan. 5
Winter Term classes resume, 8 a.m.
Sports: basketball (men) vs. Lafayette (at Hershey Park), 7:30 p.m.; wrestling vs. Missouri, 8 p.m.
France-Cinema, Schlöndorff, *The Tin Drum*, 7 and 9:30 p.m., Room 112 Kern.

Tuesday, Jan. 6
Pass/Fail.
Deadlines for applying for Graduate School Tuition Grant-in-Aid for Spring Term 1981.
University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.
CSA Workshop, Home Maintenance by employee of Centre Hardware, 7 p.m., Room 101 Kern.

Wednesday, Jan. 7
Pass/Fail.
Kern/WPSX-TV, *Cosmos* series, "Encyclopedia Galactica," 2:15 p.m., Kern Lobby.
Robeson Center Film Series, *Last Grave at Dim-baza*, 7:30 p.m., Walnut Building.
Sports: wrestling vs. Nebraska, 8 p.m.
Vera Kochanowsky, harpsichord recital, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, Jan. 8
Drop deadline.
Course repeat deadline.
Pass/Fail.
Preregistration deadline for Spring Term.
Kern/WPSX-TV, *Cosmos* series, "Encyclopedia Galactica," noon, Kern Lobby.
Cinematheque, *Shampoo*, 7 and 9:15 p.m., HUB Assembly Hall.
Sports: basketball (women) vs. Montclair State, 7:30 p.m.

Friday, Jan. 9
STS/TCO luncheon, noon; presentation, 12:20 p.m., Room 101 Kern. Henry J. Hermanowicz, education, on "The Relationship between General and Professional Education."
Commonplace Theatre, *In Cold Blood*, 7 p.m.; *The Boston Strangler*, 9 p.m., Room 112 Kern.

Sports: gymnastics (women) vs. Southern Cal., 8 p.m.

Saturday, Jan. 10
Deadline for March graduates to deliver doctoral theses to committee.

Sports: indoor track (men), Nittany Lion All-Comers Meet, fencing (women) vs. Fairleigh-Dickinson, 9 a.m.; basketball (men) vs. Rider, 8:10 p.m.

Cinematheque, *Shampoo*, 7 and 9:15 p.m., HUB Assembly Hall.
France-Cinema, *The Tin Drum*, 7 and 9:30 p.m., Room 112 Kern.

Sunday, Jan. 11
University Chapel Service, 11 a.m., Eisenhower Chapel. The Rev. James H. Livingston, Christian and Missionary Alliance Church, State College, speaker.
Commonplace Theatre, *In Cold Blood*, 7 p.m.; *The Boston Strangler*, 9 p.m., Room 112 Kern.

Sports: basketball (women) vs. Detroit, 7 p.m.
Artists Series, Empire Brass Quintet, 8:30 p.m., Eisenhower Auditorium.

Monday, Jan. 12
France-Cinema, *The Tin Drum*, 7 and 9:30 p.m., Room 112 Kern.
Interdisciplinary Symposium on Value, 7:30 p.m., Room 101 Kern. John Balaban, English, on "Politics in Poetry."

Tuesday, Jan. 13
Gallery Talk, 10:30 a.m., Museum of Art.
Judith W. Hansen, Museum research asst., on "Fireworks of Color: The Lithographic Poster 1890-1930."
Comp. Lit. Luncheon, 12:15; talk, 1 p.m., Room 204 HUB.
Dorothy Roberts, poet, gives a poetry reading.
Comp. Lit. Film Series, *Despair*, 7 and 9 p.m., Room 112 Kern.
Artists Series film, *King Kong* (1933), 8 p.m., Schwab Auditorium.

Wednesday, Jan. 14
Faculty Women's Club, Brown Bag Lunch/Lecture, 11:45 a.m., Faculty Bldg. W.F. Witzig, nuclear engineering, on "How Safe is Nuclear Energy?"
Kern/WPSX-TV, *Cosmos* series, "Who Speaks for Earth?" 2:15 p.m., Kern Lobby.
English Colloquium, 8 p.m., Room 101 Kern. James Rameau, English, on "Colonel Shaw in History."
Sports: wrestling vs. Temple, 8 p.m.
Leonard Feldman, cello recital, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, Jan. 15
Kern/WPSX-TV, *Cosmos* series, "Who Speaks for Earth?" noon and 1:15 p.m., Kern Lobby.
Cinematheque, Bertolucci, 1900, 7 p.m. only, HUB Assembly Hall.

Friday, Jan. 16
Cinematheque, 1900, 7 p.m. only, HUB Assembly Hall.
Sports: gymnastics (men) vs. Syracuse, 8 p.m.

Saturday, Jan. 17
Last date for March graduates to take final oral doctoral examinations or to deliver masters' theses or papers to advisers.

Sports: indoor track (men and women) vs. Maryland; bowling (men) vs. Penn State-Capitol, 1 p.m.; wrestling vs. Clarion, 2 p.m.; basketball (women) vs. Connecticut, 5:45 p.m. and (men) vs. Philadelphia Textile, 8:10 p.m.

Sunday, Jan. 18
University Chapel Service, noon, Frizzell Room, Eisenhower Chapel. Martin Luther King, Jr. Sunday. Rev. Dr. Kenneth Lee Smith, Calgate Rochester Divinity School, speaker.
Sports: bowling vs. George Washington, 1 p.m.
Artists Series, Hakan Hegagard, baritone, 8:30 p.m., Schwab Auditorium.

Seminars

Friday, Dec. 19
Physical Chemistry, Kenneth A. Johnson, MC3B, on "Intermediate States in the Pathway of ATP Hydrolysis by Acetomyosin," 2:30 p.m., Room 333 Whitmore.

Monday, Jan. 5
MC3B, Janet L. Schottel, genetics, Stanford Univ., on "Gene Cloning in Antibiotic-Producing Streptomyces," 4 p.m., Room 101 Althouse.

Tuesday, Jan. 6
Plant Pathology, Barbara Lucas, grad. student, on "Aphid Biology in Relation to Transmission of Plant Pathogenic Viruses," 3:55 p.m., Room 213 Buckhout.

Thursday, Jan. 8
Chemistry, John Gladysz, UCLA, on "Rhenium Formyl and Carbene Complexes: Some New and Unprecedented Organometallic Transformations with Relevance to Catalysis and Asymmetric Synthesis," 12:45 p.m., Room 333 Whitmore.
Economics/Institute for Policy Research and Evaluation, Irwin Feller, economics, on "The Measurement of Industrial Innovation," 2 p.m., Room 124 Sparks.

MC3B, Donald A. Bryant, biological sciences, Cornell Univ., on "Structure and Function of Crystalline Polysiloxanes," 1 p.m., Room 101 Althouse.

Physics, J. Gollub, Haverford College, on "Many Routes to Chaos, New Experiments in Turbulence," 3:50 p.m., Room 445 Davey.

Friday, Jan. 9
Physical Chemistry, Gerd Rosenblatt, chemistry, on "Translational, Rotational and Vibrational Gas Surface Energy Transfer," 2:30 p.m., Room 333 Whitmore.

Tuesday, Jan. 13
Biology, Marilyn Hock, Cornell Univ., speaker, 11:10 a.m., Room 8 Mueller.
Chemical Engineering, L.E. Scriven, Univ. of Minnesota, on "Torus Model Analyzed (Structure and Transport: Voronoi Models and Percolation Concepts)," 3:45 p.m., Room 140 Fenske.
MC3B, S. Edward Stevens, Jr., microbiology, on "Regulation of Inorganic Metabolism in Blue-Green Algae," 11 a.m., Room 101 Althouse.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Organic-Inorganic Chemistry, F. Tebbe, DuPont, on "Titanium Methylene Heterocycles," 8 p.m., Room 333 Whitmore.
Plant Pathology, David Ware, grad. student, on "Beech Bark Disease: An Insect-Fungus Complex," 3:55 p.m., Room 213 Buckhout.

Thursday, Jan. 15
Animal Welfare, Andrew Rowan, Institute for the Study of Animal Problems, Washington, D.C., on "Alternatives to the Use of Animals in Biological Research," 12:45 p.m., Keller Bldg. Auditorium.
Chemistry, Gerd Lamar, Univ. of California/Davis, on "NMR, Electronic and Structural Studies of Heme Proteins," 12:45 p.m., Room 333 Whitmore.
MC3B, Daphne D. Blumberg, biology, MIT, on "Cell Contact, Cyclic AMP and the Control of Developmental Gene Expression," 1 p.m., Room 101 Althouse.
Physics, B.V. Bronk, Clemson Univ., on "A Physicist's Definition of Life," 3:50 p.m., Room 445 Davey.

Friday, Jan. 16
Physical Chemistry, William White, materials research lab, on "Nuclear Waste Repositories: An Exercise in Applied Solid State Chemistry, Reaction Kinetics and Geochemistry," 2:30 p.m., Room 333 Whitmore.

Exhibits

Chambers Gallery: Maureen Garvin, paintings; Ron Gallas, ceramics, through Dec. 19. Graduate Art Education Student Exhibition, opens Jan. 5.

Kern Gallery: Allison Taggart, photography: International Artists Exhibition and Sale, through Dec. 18. Sarah Berndt, watercolors, opens Jan. 5. Kevin O'Toole, sculpture, opens Jan. 6. Metal Craft Exhibition, opens Jan. 7. Fabric Workshop Exhibit, opens Jan. 12.

Museum of Art: "The Art of the Needle," through Dec. 21. European paintings from the permanent collection, through Dec. 23. 18th-20th century American works from the permanent collection, through Jan. 11. Selections from the Pre-Columbian and Oriental collections, opens Jan. 17. "All That Is Glorious Around Us," paintings from the Hudson River School, opens Jan. 18.

Pattee Library: Greg Decker, drawings and paintings, through Jan. 15. Hicks Exchprint National Invitational Exhibition, opens Jan. 16. East Corridor Gallery. Robin Bergstein, mixed media, Lending Services Lobby. Jack Enold, sculpture, through Jan. 5. Nancy A. Norton, stained glass, and Leveta Butler, porcelain, opens Jan. 6. Main Lobby. Christmas material from the Allison-Shelley Collection, through Jan. 9. Rare Books Room. Gordon Studer, drawings and paintings, through Jan. 9. West Lobby.

Visual Arts Zoller Gallery: MFA Graduate Exhibition, through Dec. 19. Wayne Tiebaud Exhibit, opens Jan. 7.

Bookshelf

Dr. Nancy M. Tischler, professor of English and humanities at the Capitol Campus, is the author of *Dorothy L. Sayers: A Pilgrim Soul*, published recently by John Knox Press, Atlanta. Blending biography, character study and literary analysis, Dr. Tischler chronicles Sayers' personal life as expressed through her writing.

"By almost any measurement," Dr. Tischler writes, "Dorothy Leigh Sayers was one of the giants of the first half of the twentieth century. As a scholar, a writer, and a public speaker, she excelled. The reluctance of the world to grant her the appropriate acclaim is partly because of the very diversity and character of her accomplishments."

Sayers polished the mystery story form to the sophisticated level of modern audiences; her well-known sleuth Lord Peter Wimsey ranks with such literary counterparts as Miss Marple, Nick Charles, and Nero Wolfe. She created channel plays that brought Christ to the

modern theatre; her translation of Dante's *Divine Comedy* gave him unprecedented popularity with the reading public. And feminists know her for her book *Are Women Human?*

The Photography Textbook, published this month, was written by Penn State staff member Marc Levey, and includes among its illustrations a number of photographs taken by members of the University community. It is the third book in a series written by Levey, of the Office of Special Programs and Services, and published by AMPHOTO, a division of Watson-Cupitt of New York.

The book was designed as an introduction to photography for students of all ages, but especially for adult students. Levey teaches photography through Continuing Education. He has taught a number of photography courses, workshops and seminars, and has served as a juror for national photographic competition.

Although it presents extensive information on photographic technique, the book is not limited to that subject. It also takes up the question of the photograph as a statement from artist to viewer, and examines the art of communicating through photographs.

Levey did much of his own illustrative work for the book while traveling in Ireland two years ago with a grant from the Irish government. Most of the other contributors to the book are graduates of his photography courses.

Ernest R. Weidhaas, head of the Department of General engineering, is the author of two recently published textbooks focusing on energy conservation in buildings and recent architectural developments.

Published by Allyn and Bacon, Inc. of Boston, the books are the fourth edition of *Architectural Drafting and Design* and the second edition of *Architectural Drafting and Construction*.

The "Construction" text, based upon the "Design" one, contains 14 additional chapters on the classifications and

properties of commercial building materials. A comprehensive Instructor's Handbook, keyed to both texts, was also published.

Prof. Weidhaas is also assistant dean for Commonwealth Campuses in the College of Engineering.

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The Centre County United Way exceeded its goal by \$14,000 this year, thanks in large part to a successful campaign at University Park. Shown posting the record amount are, from left, President Oswald; Galen Dreibelis, chairman of the Centre County United Way campaign; and Dr. Richard E. Grubb, University Park chairman.

UP employees set a record

University Park employees have contributed more than \$100,000 to the Centre County United Way, the most ever collected at the campus, reports Dennis Kulchycki, executive director for the local United Way.

"As a result of the outstanding effort at the University, this year's countywide United Way campaign has exceeded its goal by many thousands of dollars," he wrote in a letter to President Oswald. The total amount collected in Centre County to date is over \$373,000.

"The personal approach initiated this year has been a tremendous success, resulting in an increase in giving by University Park employees of 19 percent or \$16,000 to the United Way," he added.

"We are most grateful to Dr. Richard E. Grubb, University Park chairman, and his assistant chairpersons and hundreds of volunteers who took a mammoth project and shaped it into a smooth-running, well-organized campaign. And we are most grateful to the more than 1,800 University employees who contributed so generously to the United Way drive. This is an increase of almost 700 contributors over last year."

Commenting on the campaign, Dr. Grubb extended thanks to "the volunteers and donors who made this year's United Way campaign a success."

"These individuals," he added, "are another fine example of how the University is responsive to the needs of the community in Centre County."

Money raised this year will help to support the United Way's 27 local human service agencies. They are:

Red Cross, State College, Bellefonte, Philipsburg; Centre County Home Health Service; Youth Employment Service; YMCA, Bellefonte and Philipsburg; Association for Retarded Citizens — Centre County; Centre Crest Auxiliary; Community International Hospitality Council; Childbirth Education Association; Rape/Abuse Crises Center; Skills of Central Pennsylvania; Centre County Library; Mid-State Literacy Council.

Community Alternatives in Criminal Justice; Voluntary Action Center; Transient Fund; On Drugs Inc.; Boy Scouts; Bucktail Council and Juniata Valley Council; Strawberry Fields Day Camp; Community Nursing Service; Society for Crippled Children; Counseling Service; Girl Scouts; Associated Charities.

Golany

(Continued from page 3)

and new town development and has traveled widely teaching and lecturing on these subjects. Earlier this fall he traveled to Cairo, Egypt, to the Fourth Annual Conference of the International New Towns Association, where he delivered a paper on "Arid Zone Settlements Site Selection," using Egypt as a case study.

Using the same method of site selection — a process that he developed through several years of research — Dr. Golany spoke to the International Symposium on the Impact of Climate on Planning and Building, held in Israel Nov. 4-7. In this instance he used the Negev region as a case study.

While in Israel he also addressed the 35th World Congress of the International Federation for Housing and Planning, held Nov. 9-14. His topic was "Planning Principles of Arid Zone Settlements."

News in Brief

Pattee Library sets special holiday hours

In compliance with the University's efforts to conserve energy during the holiday recess, Pattee Library will be closed most of the period between Dec. 20 and Jan. 5. The closing of Pattee, one of the biggest and most expensive consumers of energy on campus, represents a significant effort to ensure fuel conservation at University Park. The closing also will minimize the number of personnel used on campus during the period.

In order to alleviate some of the inconvenience the closed period might cause, permission has been granted to open Pattee Library for several days within the period. They are: Friday, Jan. 2, and Saturday, Jan. 3, 7:45 a.m. to 5:00 p.m., and Sunday, Jan. 4, 1:00 p.m. to midnight. As was the practice during the recess period last year, liberal arrangements will be made for users to charge out many materials which normally do not circulate.

While the extended closing might cause some inconvenience, careful planning such as making arrangements in appropriate service areas to borrow material prior to Dec. 20 will help users minimize problems of access to Library resources.

The schedule for the University Libraries at University Park during the holiday recess period is as follows:
Saturday, Dec. 20-

Thursday, Jan. 1 CLOSED

Friday, Jan. 2 7:45 a.m. to 5:00 p.m.
Saturday, Jan. 3 7:45 a.m. to 5:00 p.m.
Sunday, Jan. 4 1:00 p.m. to mid-
night

University employees urged to take energy-saving steps

Occupants of University buildings are asked to take a few energy-conserving steps before leaving Dec. 19 for the holiday break.

Building occupants who have access to radiator valves are requested to shut them off prior to going home. Wall thermostats, where accessible, should be turned down to the minimum setting. Also, all windows should be closed and lights turned off, according to J. Carroll Dean, manager of energy conservation programs.

Cooperation of faculty, staff and students is needed to ensure maximum savings.

Senate report — Undergraduate Instruction

PART I – SUMMARY OF GRADE DISTRIBUTION FOR CONTINUING EDUCATION AND RESIDENT INSTRUCTION

TABLE 1

. DISTRIBUTION OF GRADES – CONTINUING EDUCATION

SUMMER 1979 – SPRING 1980
GRADE SUMMARY AG 055 1/2 (22)

GRADE SUMMARY AS OF 7/3/80
(All Locations - All Courses for All Colleges)

(All Locations – All Courses for All Colleges)								
NG	A	B	C	D	F	R	DE	AU

	NG A		B	C	D	F	R	DF	AU	W	TOTAL
Total 0 to 399 Level Courses											
Dist. by %	2	31	34	20	5	3	0	1	0	3	100%
Dist.-Count	487	6,814	7,468	21,786	4,427	1,044	749	0	135	49	61,333
GPA = 2.89											
Total 400 Level Courses											
Dist. by %	2	68	25	3	0	0	0	1	0	0	100%
Dist.-Count	248	7,314	2,659	296	18	29	0	64	20	35	10,683
GPA = 3.65											
Total 500 Level Courses											
Dist. by %	0	65	30	0	0	0	5	0	0	0	100%
Dist.-Count	0	13	6	0	0	0	1	0	0	0	20
GPA = 3.68											
Total 800 Level Courses											
Dist. by %	0	33	33	21	7	3	0	0	0	2	100%
Dist.-Count	1	333	333	207	70	33	0	3	0	19	999
GPA = 2.88											
Total of Course Levels 0-499											
Dist. by %	2	44	31	15	3	2	0	1	0	2	100%
Dist.-Count	735	14,128	10,127	4,723	1,062	778	0	199	69	648	32,469
GPA = 3.10											

TABLE 2
DISTRIBUTION OF GRADES – RESIDENT INSTRUCTION

SUMMER 1979 – SPRING 1980
GRADE SUMMARY AS OF 7/2/80

GRADE SUMMARY AS OF 7/3/80
(All Locations - All Courses for All Colleges - Except Hershey)

(All Locations - All Courses For All Colleges - Except Hershey)								
C	A	B	C	D	E	B	DE	AU

Level Courses

[illegible]

Seven named

(Continued from page 1)

as assistant vice president for student affairs. His present relationship to Dr. Raymond Murphy, vice president of student affairs, will continue. Before that he had been dean of student personnel and associate dean for students at Delaware County Community College, and assistant dean of students and assistant coordinator of activities at Southern Illinois University.

Marlowe D. Froke has been director of the Division of Media and Learning Resources in Continuing Education since 1971. In the Commonwealth Educational Network, he will continue to be responsible for the Division, which includes such operations as WPX-TV, Independent Study by Correspondence and PENNARAMA—Penn State's new educational TV system.

Mr. Froke joined the Penn State faculty in 1959, serving as associate professor in the School of Journalism and as an associate member of the Graduate School Faculty until he assumed administrative responsibilities as director of broadcasting in 1964. He also has been an instructor in journalism at the University of Illinois, visiting professor of journalism at Northwestern University and news editor of Chicago's WGN radio and television stations.

Angelo R. Bigatell, assistant to the vice president for business in the new organization, will coordinate the business functions for the network. These include such areas as housing and food service, maintenance, security, physical plant and personnel administration.

Since 1972, Mr. Bigatell has been director of design and engineering with primary responsibility for the Commonwealth Campuses. A registered professional engineer, he joined Penn State in 1950 as an architectural draftsman. He was promoted to drafting room chief in 1957, to head of Commonwealth Campus maintenance and operations in 1963 and to head of the Division of Plant Improvement and Modification in 1968.

As director of the Office of Management, Thomas E. Tracy will be responsible for coordinating the collective analysis and transmission of all information and data necessary for decision making throughout the Commonwealth network.

Mr. Tracy joined Penn State in 1973 as coordinator of Management Systems in Continuing Education, following his retirement as a colonel in the U.S. Army Finance Corps. His last assignment in a 23-year career as an army officer was as commander of the Army Security Agency.

Dr. John L. Leathers, as assistant to the vice president and dean, will assist Dr. Scannell as necessary throughout the network's administrative structure. Initial additional assignments will include certain responsibilities for public relations, funding, alumni affairs, and non-academic personnel matters at the campuses.

Since 1974, Dr. Leathers has served as administrative director of the Commonwealth Campus system. From 1968 until 1974, he was director of Penn State's Altoona Campus. Prior to that he had served at Muskingum College as assistant to the president and as dean of men.

Funding Sources

For further information, call 865-1372

(350-1) The Kresge Foundation announces that applications for 1981 and thereafter will be accepted only from Jan. 1 through Feb. 15, 1981. Kresge appropriates funds to assist projects involving (a) construction of facilities, (b) renovation of facilities, (c) purchase of major movable equipment \$50,000 and up, and (d) the purchase of real estate. Policies and procedures are available. Contact (313) 643-9630. (Re: Kresge notice 10/31/80)

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 479-1387). Applications for these staff vacancies will be accepted until 5 p.m., Jan. 8, 1981. OO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with *Full Employment practices (PS-1)* and in compliance with the University's *Affirmative Action Compliance Program*, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

COLLEGE HEALTH NURSE-INPATIENT AND EMERGENCY ROOM, RITENOUR HEALTH CENTER, UNIVERSITY PARK Responsible to Head College Health Nurse, Inpatient and Emergency Room, for providing nursing service in the Inpatient Service Area and Emergency Room and assisting licensed physicians and dentist in patient care. Graduate from an accredited nursing program or its equivalent and current licensure in Pennsylvania as a registered nurse, plus six to nine months of effective experience.

SYSTEMS ANALYST, CONTINUING EDUCATION, UNIVERSITY PARK Must have an extensive working knowledge of current telecommunications hardware and software as well as the techniques for using both. Assist in the development of all types of administrative support for office automation efforts. Provide guidance to the central supporting organization on telecommunication and administrative needs of the University-wide system. Identify opportunities for increasing administrative capabilities and/or lowering administrative costs. Document new procedures and develop cost statistics and accounting control procedures. Coordinate the University-wide Systems evaluation of word and data processing capabilities. Participate in the development of new extensions to existing automated systems. Develop and review an annual plan for system-wide automation. A bachelor's degree (or equivalent) in computer science or related field with training in basic information systems planning and design plus two to three years' effective experience in telecommunications design and procedure, computer procedure design and programming, administrative procedure development, systems analysis, and user studies leading to the formulation of systems specifications and design tradeoff analysis is required.

PROGRAM ASSISTANT, CONTINUING EDUCATION Provides assistance to the Area Director in planning, implementing and conducting a Continuing Education program for the campus service area. Is responsible for supervising office procedures, exercising fiscal controls and maintaining related records. Bachelor's degree plus one to two years' related experience.

Research assistant sought

Applications are being accepted for the position of academic research assistant to coordinate activities of the Instruction Support Center of the College of Education. The Center provides computer managed instruction systems and individualized examination and test scoring services to faculty members. It also provides laboratory services and internship experiences for advanced graduate students.

Candidates for the position should have: a master's degree plus advanced course work in computer science, instructional technology or closely related field; programming skills in two or more common computing languages; experience in systems design. Evidence of scholarship and published research studies is desired. Starting date is Feb. 15 or as soon as possible thereafter. The initial appointment is for a fixed term, but plans are being made to assure it will be a continuing position. Applications, accompanied by a resume, should be submitted no later than Feb. 1, 1981, to Dr. Harold E. Mittel, 234 Chambers Building, University Park, PA 16802.

12 to serve on H Dev. Search Committee

Twelve persons have been named to a search committee to consider nominations and applications for the position of Dean of the College of Human Development.

The committee is being chaired by Dr. John R. Nesselhauf, professor of human development. Other members are: Dr. Joseph H. Britton, professor of human development; Dr. Maureen A. Carr, director of the School of Music; Dr. Richard P. Chait, assistant provost; Dr. Irwin Feller, professor of economics; Jay M. Gibson, president of the Human Development Student Council; Dr. Theodore L. Gross, provost and dean of

the Capitol Campus;

Dr. Drew H. Hyman, associate professor of community development; Mrs. Thelma T. Price, assistant vice president for student affairs; Stanley J. Shepherd, associate professor of physics; Dr. Laura S. Sims, associate professor of nutrition in public health; and Bill Solley, assistant professor of criminal justice.

Nominations and letters of application (with resume) should be sent to: Human Development Search Committee, The Pennsylvania State University, 205 Old Main, University Park, PA 16822.

Senate to discuss PS 23

(Continued from page 1)

FACULTY.

1. *Teaching ability and effectiveness*—ability to convey subject matter to students; demonstrated competence in teaching and capacity for growth and improvement; ability to maintain academic standards, and to stimulate the interests of students in the field; EFFECTIVENESS of counseling, advising, and service to students.

2. *Research and CREATIVE ACTIVITY*—COMPETENCE, usually demonstrated through publication, EXHIBITION AND PERFORMANCE, to carry out research AND CREATIVE WORK of high quality and scholarly significance.

3. *SCHOLARLY PERFORMANCE and Mastery of Subject Matter*—evidence of thorough understanding of the field; maintenance of high levels of academic performance; recognized reputation in subject matter; field; evidence of continued professional growth.

4. *Service to the University, the Public and THE PROFESSION*—evidence of participation in the University, college, departmental, and unit affairs; competence in extending specialized knowledge TO THE UNIVERSITY AND to the public; active contribution to professional organizations.

In its rationale for the proposed changes, the Committee says the addition of the word "weight" in the first paragraph is intended to clarify what is implicit in the paragraph. "Each academic unit," the committee report states, "must define what kinds of activities count in which areas (within the guidelines of PS-23) and the appropriate emphasis to be given to each area and activity for a particular faculty member or group of faculty."

In adding a "mission statement" to the first paragraph, the Committee notes that

no single statement can incorporate all the missions of the University and said its purpose is to provide a general statement into which all the missions can fit.

The first change in item 2 (research) is a broadening of the title of the criterion to include all the kinds of activities generally accepted under the criterion. A second change involves omitting "the ability to train students . . ." since, the Committee says, this seems to be teaching and not research.

According to the committee report, the change in item 3 from "Scholarship" to "Scholarly Performance" is intended to emphasize the active nature of this criterion as well as to help clarify the distinction between this criterion and research.

Changes in item 4 (service) are intended to emphasize service to the profession in the title.

In other business, the Senate will receive a summary of Continuing Education activities for 1979-80 from its Committee on Commonwealth Campuses and Continuing Education.

The report includes a listing of innovative Continuing Education programs by the Colleges and Campuses ranging from "Public Policy Seminars" and "Potheole Repair" to "The Nurse's Role in Spiritual Care" and "Transition from Teacher to a New Career."

The Senate Committee on Undergraduate Instruction will present its annual report on grade distributions within the University for the past academic year. A summary of the grade distribution is found on page 7.

The Senate also will receive information reports from its Committees on Academic and Athletic Standards and Admissions, Records, and Scheduling, Arthur Cervo, director of the Department of Public Information and Relations, will present an oral report on the department's activities.

President Oswald (Continued from page 1)

major universities employ. A change from term to semester, if implemented, will require a considerable amount of time, and I felt, as did faculty advising me, we had to get started now on the consideration."

Asked about coed housing, President Oswald said he felt that the University should do anything it can to improve the academic environment of the residence halls.

"I've been opposed to coed housing for the sake of coed housing," he added. "But when I can be shown that that kind of living arrangement will improve the academic environment, I will look favorably upon it. Any proposal must emphasize safety and privacy."

He pointed out that huge numbers of students in the 1950s brought about construction of residence halls without a great deal of thought to diversifying the environment of the different halls.

"When we can see our way clear financially to demolish the Nittany dorms," he said, "they not only will be replaced, but we must do so with a great deal of student input into the type of

facilities that would be best for student living and learning."

In other matters, Dr. Oswald:

— Said he doesn't expect any particular major changes in federal government support of research and special programs, but is anxious about potential cuts in student aid.

— Felt it was beneficial to acknowledge — through addition of a five percent tuition increase in the University's appropriation request — that the costs of Penn State are going up and had to be shared by students.

— Agreed to become a board member of General Public Utilities after being convinced by the company that his experience in dealing with the general public might be of value to a major utility that was in deep trouble following the Three Mile Island accident last year.

"I was told I might be of help to the company and I saw no conflict of interest. I made the decision only after consultation with members of the University Board of Trustees," he said.

Penn State Intercom

Further grade distribution data refinement possible

Comments at the Jan. 6 University Faculty Senate meeting centered on two reports from the Committee on Undergraduate Instruction.

The reports on "Grade Distribution" and "Dean's List Numbers and Graduation with Distinction" were presented by Dr. Richard L. McCarl, outgoing chairman of the Committee on Undergraduate Instruction. Dr. McCarl, a professor of biochemistry who has headed the Committee for two years and who is also a member of the Faculty Advisory Committee to the President, resigned his chairmanship because of the press of his many duties.

His successor is Dr. Robert J. Heinsohn, professor of mechanical engineering.

Dr. McCarl pointed out that the reports, which are presented annually by the Committee, are still evolving. For example, under the current method of reporting, data from the College of Science show that students in its classes earned a grade point average of 2.6 during 1979-80. It might be helpful, however, to be able to discriminate between the GPAs earned by majors in the College and those of students taking required service courses.

Such data are available, Dr. McCarl noted, adding that if the Senate wants to see them, they should be incorporated in next year's report.

Dr. Heinsohn, in an interview, agreed that expanding itemization of the data would be useful. "I see no indication that we have flooded the market with too much data yet," he said. The Committee hopes to get its report out even earlier next year, probably at a Fall meeting.

Commenting directly on the report to the Senate, Dr. Heinsohn called his colleagues' attention to the large number of "W" grades as compared with "F" grades (see table, page 6), attributing the increase to the eight-week drop rule.

"I think we must recognize 'W' grades

for what they are," he said. "They are not really a reflection of emergency as we normally think of that word; for the most part, they are grades received by students who wish to withdraw from classes because they believe their work is unsatisfactory."

English Department offers analysis of some grades

With some 1,500 service writing courses to teach each year systemwide, the Department of English keeps a close watch on grade distribution.

Its records for Spring 1980 show students earning GPAs of 2.84 in English 0-399 courses and 3.01 in 400-499 courses. Considering that the first figure includes the service courses in writing (English 10 and 20), the total difference between student performance in upper and lower division courses is "surprisingly small," according to Dr. Robert D. Hume, associate head.

"The grades in our service courses are a little higher than they should be," he says, "and those in the other courses are less inflated than people sometimes think."

How do the grades of majors and non-majors in English courses compare?

Dr. Hume cites two sets of figures, using charts compiled last year. English 122 (Masterpieces of English Literature II) is composed almost entirely of majors, and they earned a 2.95 GPA. At the same time, non-majors in English 129 (Shakespeare) had a GPA of 2.92.

Again, in English 132 (American Literature to WW I), a course for majors, the GPA was 2.58. English 133 (Modern American Literature) attracts non-majors. GPAs in its two sections were 2.97 and 3.19.

(Continued on page 6)

News in Brief

Berg accepts invitation to speak at Commencement

Dr. Paul Berg, 1980 Nobel laureate in chemistry, has accepted an invitation from President Oswald to be the speaker at Spring Commencement ceremonies on Saturday, May 30.

A 1948 graduate of the University, Dr. Berg is professor of biochemistry at Stanford University School of Medicine. A pioneer in the field of genetic engineering, Dr. Berg was cited for "fundamental studies of the biochemistry of nucleic acids."

Dr. Berg, a native of New York City, earned his bachelor of science degree in ag biochemistry. His Ph.D. was granted by Western Reserve University in 1952.

He was named a distinguished Alumnus of the University in 1972 and returned to University Park in 1976 to serve as an Alumni Fellow in the College of Science.

Ag search committee named

Fifteen persons have agreed to serve on a search committee for the position of Dean of the College of Agriculture.

Dr. John W. Malone Jr., professor and head of the Department of Agricultural Economics and Rural Sociology, will serve as chairman. The other members are:

Donald L. Ace, professor of dairy science extension; Dr. Richard Craig, associate professor of plant breeding; Dr. Virgil E. Crowley, professor of farm management extension; Dr. Joseph A. Dixon, professor and head of the Department of Chemistry; Dr. Charles L. Hosler, dean of the College of Earth and Mineral Sciences; Dr. Philip G. Keeney, professor of food science; Dr. Thomas B. King, associate dean and professor of animal science; Dr. Roland M. Leach Jr., professor of poultry science;

Dr. Richard R. Nelson, Evan Pugh professor of plant pathology; Dr. Monroe Newman, professor and head of the Department of Economics; Alletta Schadler, extension agent, Lebanon County; Dr. Rosemary Schraer, assistant provost; Laurie A. Sollenberger, undergraduate student representative; and Dr. James L. Starling, professor and head of the Department of Agronomy.

Nominations and applications for the position should be sent in care of Dr. Malone to Room 205 Old Main.

Fall arrival date changed

The arrival date for new students for the 1981 Fall Term at University Park has been moved up a day from Tuesday, Sept. 1, to Monday, Aug. 31.

Classes will still begin at 8 a.m. on Tuesday, Sept. 8, following the Sept. 7 Labor Day recess. Following is the new schedule:

Aug. 31 - Arrival date for new students
Sept. 1-4 - Orientation, Advising and Registration (Tuesday - Friday)
Sept. 2-3 - Advising (Wednesday, Thursday)
Sept. 3-4 - Registration (Thursday, Friday)
Sept. 7 - Labor Day recess
Sept. 8 - Classes begin
Faculty and staff members should note also that the 1981 Winter Term Commencement will be held at 1:30 p.m. on Sunday, March 8, in Recreation Building, instead of on a Saturday, as is usual.

(Continued on page 7)

Company licenses Hershey cancer detection test

Penn State and Warner-Lambert Company jointly announced Monday that Warner-Lambert has been licensed to develop commercially and market a cancer detection test from technology developed at the Milton S. Hershey Medical Center.

The technology is known as a tumor-specific glycoprotein assay. It was developed by Eugene A. Davidson, Ph.D., professor of biological chemistry and chairman of the biological chemistry department of the College of Medicine, and a former graduate student associated with Dr. Davidson, Sally D. Bolmer, Ph.D., now at the Massachusetts Institute of Technology.

Warner-Lambert emphasized it was not acquiring a cancer test ready for immediate marketing. The Company said that additional developmental work could lead to the marketing of a test at some future time. Nevertheless, Food and Drug Administration approval would be required before it could be marketed.

Dr. Davidson and Dr. Bolmer discovered that a glycoprotein, one of the fundamental units of the body, is apparently altered by cancer cells or in their presence. They isolated the tumor-specific glycoprotein and developed an assay to quantify its presence in human blood.

The scientists said most cancer tests on the market today monitor only one class of

malignancy, while this technology appears to have the potential to spot a broad spectrum of cancers, including sarcomas, carcinomas and melanomas, as well as Hodgkins Disease.



Dr. Davidson

This new technology has been transferred to Warner-Lambert under a license from Research Corporation, a New York foundation which owns and administers the patent rights to the discovery.

Warner-Lambert will immediately begin further development in the hope that a

commercial test will result from the new technology. Initially, the company will attempt to confirm Dr. Davidson's results, after which any new test that results from the development of the new technology will undergo clinical study in various cancer centers around the country.

Warner-Lambert said it appears that the potential new test, with FDA approval, could be used for cancer management to determine the effectiveness of initial surgery or therapy, and for confirmation of the presence of cancer following a physician's original diagnosis.

The potential new test would work this way: A sample would be taken of the patient's blood. Reagents would be added to the sample, and then, by a type of immunoassay, the amount of the altered glycoprotein would be determined. The presence of cancer would be indicated if the predominate structure were that of the abnormal glycoprotein; otherwise, the absence of cancer would be suggested.

Early Penn State laboratory studies relating to the technology, which are yet to be confirmed by Warner-Lambert, indicate a 96 percent accuracy rate.

Warner-Lambert said that during the four-month field trial a determination would be made as to whether the potential new test would be developed as a radioimmunoassay or a non-isotopic immunoassay.

(Continued on page 6)

Penn Staters

Dr. Inyong Ham, professor of industrial engineering, has received a Fulbright Award for 1981. He will lecture on machining technology and metal cutting operations at the Georgian Polytechnic Institute in Tbilisi, USSR.

Dr. Ham received his Ph.D. in mechanical engineering at the University of Wisconsin and joined Penn State's faculty in 1958. He is internationally recognized for his research on group technology.

Dr. C. L. Hosler, dean of the College of Earth and Mineral Sciences, has been named chairman of the new federal Weather Modification Advisory Panel. The panel was set up under the Office of Science and Technology Policy of the Executive Office of the President. The Weather Modification Advisory Panel is a subcommittee of the Committee on Atmosphere and Oceans, established four years ago by the Federal Coordinating Council for Science, Engineering and Technology.

Dean Hosler was also elected to a three-year term on the board of trustees of the University Corporation for Atmospheric Research, a consortium of 48 North American universities and research institutions with active research programs in atmospheric sciences.

Dr. Vladimir S. Stubican, professor of materials science and engineering has been named Case Western Reserve University centennial scholar. He was awarded a medal by Case Western Institute of Technology and cited for his fundamental work in the field of reactions between solids at high temperature, and for his contributions as an educator. During his stay at Case Western Reserve, Dr. Stubican presented the keynote address, "Phase Equilibria and Ordering in Zirconia Systems," at the 1st International Conference on Zirconia.

Recently, Dr. Stubican was an invited speaker at the International Symposium on "Transport in Nonstoichiometric Compounds" in Cracow, Poland.

Dr. Elliott Vesell, Evens Pugh professor and chairman of pharmacology at Hershey, recently presented the Julius W. Sturmer Memorial Lecture at the occasion of the induction of members to the Alpha Tau chapter of the Rho Chi Society at the Philadelphia College of Pharmacy and Science. His topic was "Why Individuals Respond Differently to Drugs." Dr. Vesell was presented with the Julius W. Sturmer Memorial Lecture Award during the ceremonies "in recognition of his outstanding contributions to medical education and inter-professional cooperation in patient care."

Joseph L. Cavinato, assistant professor in Business Logistics, has been appointed editor of the second edition of *Transportation—Logistics Dictionary*, which will be published in 1982. The second edition is to be greatly expanded from the 459-page first edition.

Rethinking College Responsibilities for Values, a new volume in Jossey-Bass's series, "New Directions for Higher Education," contains a chapter on "Values Education: A Student's Perspective, An Administrator's Response." The student author is Mark A. Bell '79, and the administrator is Provost Edward D. Eddy, in whose office Mr. Bell served as a student intern and later as a special assistant. Dr. Eddy also authored the Foreword of a book, *Tracking Values in College*, written by Richard L. Morrill, former assistant provost and current president of Salem College. With author Kurt Vonnegut, Dr. Eddy did an exchange piece on their student days for the Centennial Edition of the *Cornell Daily Sun*. They also wrote pieces for *A Century at Cornell*, a new volume commemorating

the 100th anniversary of *The Sun* as the oldest university daily newspaper in America.

Dr. David L. Nahrwald, professor and chief of general surgery at Hershey, has been named associate provost and dean for Health Affairs at the Medical Center. He succeeds Dr. Fred Rapp, who has resigned to devote full-time to his duties as professor and chairman of microbiology and director of Hershey's Specialized Cancer Research Center. Dr. Nahrwald's former post of associate dean for patient care will be filled by Dr. John W. Burnside.

Dr. Nahrwald, who came to Hershey in 1970, holds A.B. and M.D. degrees from Indiana University, where he also had his surgical internship and residence. He is the author or co-author of some 90 publications.

A member of the faculty since 1971, Dr. Burnside will continue as professor and vice-chairman of medicine and as associate director of the Hershey Center for Humanistic Medicine. He received his B.S. and M.D. degrees from the University of Illinois-Chicago and was chief resident in medicine at Massachusetts General Hospital. He recently completed a sabbatical on the staffs of the U.S. House of Representatives and Senate as a Robert Wood Johnson Health Policy Fellow.

During a two-week stay in England, where he conducted experiments on the temperature dependence of protein degradation in living cells at Brunel University, Dr. Nathan N. Aronson, Jr., associate professor of biochemistry, presented an invited seminar in the Department of Biochemistry at the University of Bristol. He discussed his research on the breakdown of blood proteins by the liver.

Dr. Peter Gould, professor of geography, presented seminars at three European universities. At the Geographical Institute at Lisbon University, he discussed the "Structure of Agriculture"; at the Open University at Milton Keynes in England, he spoke to the Department of Design on "Letting the Data Define Their Own Topology." He addressed the Department of Geography at Cambridge University in England on "Letting the Data Speak for Themselves." Last summer, Dr. Gould organized a meeting on contemporary philosophy and geography held at the Rockefeller Conference Centre, Bellagio, Italy. He also presented a paper at this meeting.

Samuel H. Levine, professor of nuclear engineering and director of the Breazeale Nuclear Reactor, recently returned from Vienna, Austria. He was one of a small group of advisors from different countries invited by the International Atomic Energy Agency to help plan an in-core fuel management program for the Agency.

Dr. A. James Liedtke, professor of medicine in cardiology at Hershey, recently presented two talks at the first Symposium Heart Center for Asia in Philadelphia on Cardiology, held in Manila. Dr. Liedtke spoke on "Metabolic Consequences of Myocardial Ischemia/Infarction" and "Selected Aspects of Metabolic Therapy for the Ischemic Heart."

Carolyn Wood Sheriff, professor of psychology, delivered an invited paper at the Colloquium on Social Interaction and Individual Development: Cognitive Aspects of Socialization in Urbino, Italy, last month. Her paper included research on adolescent interactions, and group and intergroup relationships conducted in collaboration with Muzaffer Sheriff, professor emeritus of sociology.

William F. Johnstone, professor of agricultural economics extension, received the 1980 Agri Communicators Award from Inter-State Milk Producers Cooperative in recognition of his work with the Pennsylvania dairy industry as an Extension communicator.

Dr. E. Willard Miller, professor of geography and associate dean for resident instruction emeritus, is the author of *Manufacturing in Nonmetropolitan Pennsylvania*, published by the Pennsylvania Department of Commerce. This monograph provides an understanding of the changes in location of manufacturing between 1954 and 1975 in nonmetropolitan Pennsylvania. The study concludes that the areal patterns are basically a response to a complex set of locational factors that have evolved over time, and that there is a never ending search to find industrial locations where industries can thrive.

Promotions

Faculty

Marie Gutzjahr to assistant professor of recreation and parks at New Kensington. Donald Joyce to assistant professor of recreation and parks at University Park.

Diane Raab to assistant professor of physical education at Worthington Scranton.

Sara Jane Winters to assistant professor of physical education at Wilkes-Barre.

Staff Exempt

Marie D. Bloom to financial aid coordinator in Student Administrative Services.

Anthony J. DeLece to applications programmer/analyst in Management Services.

Catherine M. Egan to assistant director, Audio Visual Services in Continuing Education.

Karen B. Gantler to assistant director, Federal and State Programs in Student Administrative Services.

Joan M. Horn to administrative assistant at Hershey.

Gayle W. Kissner to assistant dining hall supervisor in Housing and Food Services. M. Joan Schumacher to assistant director, Student Employment Programs/ Commonwealth Campuses Aid Delivery in Student Administrative Services.

Staff Non-Exempt

Frank J. DiPrima to senior psychiatric assistant at Hershey.

Barbara J. Fetterolf to administrative aide, registration at Oquett.

Donald E. Hartman Jr. to respiratory therapist at Hershey.

Dolores M. Hudock to administrative aide at Hershey.

Virginia McGarvey to research technician at Hershey.

Valerie L. Mock to research technician at Hershey.

Vicki J. Montesano to administrative aide at Hershey.

Clerical

Vicki H. Blazer to secretary B in Controller's Office.

Susan J. Croyle to secretary B in Engineering.

Theresa M. DeMartino to data preparation operator B in Management Services.

Peggy A. Hitz to accounting clerk at Hershey.

Francis M. Klinefelter to secretary A in Alumni Association.

Janice E. Stewart to cash control clerk at Hershey.

Lucy A. Williamson to secretary B at Hershey.

Polly M. Wilson to secretary B in President's Office.

Technical Service

Alexis A. Brolin to electrician A in Physical Plant.

Cecelia I. Grove to laboratory attendant A at Hershey.

William Louis to animal caretaker C in Intercollege Research Programs.

Donald E. Stover to audio visual technician A in Continuing Education.

Joseph Wisniewski to maintenance mechanic B at Berks.

Richard J. Yahner to equipment and locker room attendant at Altoona.

Obituaries

Kent Forster, professor emeritus of European history, died Jan. 9 at the age of 64. Dr. Forster retired from the University last June.

He joined the faculty in 1941 after earning his doctorate at the University of Pennsylvania. He was the author or co-author of five books and was a 1959 recipient of the Lindback Award for Distinguished Teaching.

Deeply committed to international education, Dr. Forster helped launch Penn State's International Study Programs. He received two Fulbright awards and taught in Finland, Austria, West Germany, Lebanon and Africa.

The family has requested that any contributions be sent to the Kent Forster Memorial Fund to provide research opportunities for junior faculty members in the Department of History. Dr. Forster headed the Department from 1970 until his retirement.

A memorial service for Dr. Forster will be held Sunday, Jan. 18, at 2 p.m. in Eisenhower Chapel.

Charles M. Speidel, professor emeritus of health, physical education and recreation and Penn State's head wrestling coach from 1926 through 1964, died Dec. 22 at the age of 80. A native of Elizabeth, N.J., Mr. Speidel came to Penn State as wrestling coach at the beginning of the 1926 season, and during the next 38 years, his dual-meet record was 191 wins, 56 defeats and 13 ties.

In 1960, Mr. Speidel was one of 11 Penn State faculty members cited for "excellence in teaching." He also received numerous other honors during his career, including a Helms Amateur Wrestling Hall of Fame selection. He also served twice as president of the National Collegiate Wrestling Coaches' Association.

Helen Deuss Hill, Penn State's third woman Ph.D. recipient (botany, 1931) and former associate professor of genetics, died Jan. 4 at the age of 85. Mrs. Hill, a native of Chicago and 1961 recipient of an S.B. degree in botany from the University of Chicago, came to Penn State as a bride of the late Dr. J. Ben Hill, professor emeritus of genetics. In addition to her Ph.D., she earned an M.S. in botany at Penn State.

Mrs. Hill served Penn State as a faculty member in the Departments of German, English and Plant Pathology. For 20 years, she was a member of the staff of the U.S. Regional Pasture Research Laboratory. In 1955, with her husband, she published a book, *Genetics and Human Heredity*.

Herbert Kellogg, a farm machinery operator in the College of Agriculture who retired in 1967, died Jan. 4 at the age of 74. Born in Worth Township, he began his University employment in 1949.

Charles H. Miller, Jr., a helper-vegetable gardener in the College of Agriculture at the time of his 1977 retirement, died Dec. 21 at the age of 66. He began his University service in 1962 and was born in Jersey Shore.

Glen L. Moore, who retired in 1976 as an equipment and facilities operator in the College of Health, Physical Education and Recreation, died Dec. 20 at the age of 66. Born in Cumberland, he began his University employment in 1959 as a dishroom worker for the Department of Housing and Food Services, becoming an athletic equipment attendant for the College in 1969. He assumed his most recent position later that year.

Nina L. Conly, accounting clerk in the Department of Housing and Food Services, died Dec. 23 at the age of 58. She had been an employee of the University since 1979 and was born in Osceola Mills.

Leroy M. Inhoff, maintenance worker in the Department of Physical Plant, died Dec. 30 at the age of 53. Born in Ferguson Township, he began his employment with Penn State in 1970.



Dr. Condee

Dr. Ralph Waterbury Condee, professor of English literature and humanities, retired Jan. 1 with emeritus rank after 32 years of service.

A Milton scholar and an authority on Latin poetry written by British poets, Dr. Condee is the author or co-author of five books. They include *Structure in Milton's Poetry*, *The Case for Poetry*, *Exploring Religious Ideas*, *Great Modern Short Stories*, and *Modern Fiction*.

Dr. Condee did his undergraduate work in classics at the University of Illinois and the University of Chicago, received his A.M. in English at Chicago, and Ph.D., also in English, at Illinois. He served 3½ years in the U. S. Navy during World War II, most of the time in the Southwest Pacific.

He came to Penn State in 1949 as an instructor in the Department of English literature and was promoted to assistant professor in 1951, to associate professor in 1956 and to professor in 1958. He received the 1933 Class award for outstanding contributions in the field of Humanities in 1975.

During his tenure at Penn State he was director of the Honors Program in English, associate director of the Center for Continuing Liberal Education, founder and director of the University's Shakespearean Film Project, and a member of the University Faculty Senate. He was one of the three initiators of the General Education Program in Humanities, and served as a member of the committee to set up the School of the Arts (later to become the College of Arts and Architecture) in the College of the Liberal Arts. This same committee established the University's Artists Series, and after its inception he served for a time as acting chairman of the Advisory Board to the Manager.

Dr. Condee taught in six departments and divisions of the University. In addition to the Departments of English and of Classics, they include the Center for Continuing Liberal Education, Comparative Literature, General Education in Humanities, and the former Department of English Literature when it existed separately from English Composition.

He is a Senior Research Fellow at the University of Glasgow, Scotland, a title he has held since 1970.

Dr. Condee will continue to work on his book concerning the influence of Vergil on John Milton, and in the immediate future he will be assisting in the Classics Department at the University. He and his wife, Norma, plan to remain in State College.

Mortimer A. Schultz, professor of nuclear engineering, retired Dec. 31 with emeritus rank.

From 1962 to 1967, he was a visiting associate professor at the University, becoming a full-time faculty member in 1968. A graduate of the Massachusetts Institute of Technology, he spent 22 years on the staff of the Westinghouse Corporation, leaving to work as an independent consultant and to head Millertron, Inc., an electronics firm.

Professor Schultz is the author of a text, *Control of Nuclear Reactors and Power Plants*, as well as of numerous technical papers.



Mr. Powers

Robert A. Powers, Chester County senior Extension agent, retired on Dec. 31 after almost 38 years of service.

Headquartered in Chester County since 1943 (although he served part time for two years in Delaware County), the Glenshaw native earned his B.S. in horticulture from Penn State in 1942.

He developed educational programs in numerous areas of Extension work, including soil improvement and management, forage crop improvement, dairy farming and farm-city understanding and interdependence.

In 1960 he received a Dow Study Tour Award, the first Pennsylvania agent to be so honored. He was the recipient also of a Distinguished Service Award in 1963, presented by the National Association of County Agricultural Agents, for his service to the State's agriculture.

Dr. Seymour T. Brantner, associate professor of vocational industrial education, retired Jan. 1 after more than 25 years on the faculty.

As a specialist on the supervisory and administrative processes in vocational education, Dr. Brantner has served on numerous state and national task forces. His research activities and publications focused primarily on the leadership functions of vocational education in the public schools.

Among the honors he received during his career were a Certificate of Merit for Leadership Development from the U.S. Office of Education in 1967 and an award for meritorious achievement from the National Center for Research in Vocational Education.

A graduate of Lock Haven State College, Dr. Brantner holds an M.Ed. from Penn State and an Ed.D. from the University of Pittsburgh. He has served as a visiting professor at the University of Missouri.

Betty F. Dando, registration clerk in the Office of the Registrar, says of her Jan. 1 retirement: "I'll miss the people I work with very much, but not the winter driving over Skytop Mountain."

A resident of Julian, Mrs. Dando — who began working for the University in 1959 — looks forward not only to forgoing the mountain drive, but also to being able to spend more time on two of her hobbies, crocheting and knitting. In addition, she says she plans to visit her grandchildren in South Carolina.

Mrs. Dando began her Penn State career as a secretary in the Graduate School, after which she served as graduate recorder in the Registrar's Office before assuming her present position.

Active in the Julian Methodist Church, where she is a member of the Women's Society, Mrs. Dando also serves her community as a tax collector for Houston Township.

Of her four children, William R. holds a Penn State degree (1966) in business administration; daughters Janet (Jones) and Gail (Flick) are married and Valerie is a teacher in the Bald Eagle Area School District.



Dr. Mueller

Dr. Werner J. Mueller, professor of poultry science, retired with emeritus status Jan. 1 after some 27 years with the University.

A native of Zurich, Switzerland, Dr. Mueller came to Penn State in 1953 as a post-doctoral fellow to conduct research in poultry nutrition. His initial study of the causes of poor eggshell quality was expanded over the years to analyze the basic problems of calcium metabolism.

The recipient of Alpha Zeta fraternity's 1971 award as the outstanding faculty member in the College of Agriculture, Dr. Mueller taught undergraduate courses in poultry production technology and graduate courses in animal and poultry physiology. He also served as acting head of the Department of Poultry Science in 1978.

In 1962-63, he served at the headquarters of the United Nations' Food and Agricultural Organization (FAO) in Rome, where he was in charge of FAO poultry programs in Africa and Latin America. The author of numerous technical papers, he served as an associate editor of *World's Poultry Science Journal*.

Royal A. Kline, milk processor in the College of Agriculture, retired Jan. 1 after some 28 years of University employment.

Mr. Kline joined the University staff in 1953 as a guard in the Ordnance Research Laboratory, and after serving there for 2½ years, he worked for 10 months in engineering research. He began his association with the College of Agriculture in 1956.

Noting that he has both a hunting cabin and a farm near Black Moshannon State Park, Mr. Kline says he intends to split his time between his Pine Grove Mills residence and Black Moshannon, where he plans to do "a lot of hunting and fishing."



Frances M. Parsons, room clerk at the Nittany Lion Inn, retired Jan. 1 after a University career spanning some 26 years and encompassing a wide range of duties at the Inn.

"I'm really going to miss the people I worked with," says Mrs. Parsons, who came to the Inn in 1954 as a waitress in the Coffee Shop (now the Colonial Room). Among her other posts were stints as hostess in the Coffee Shop, switchboard operator at the front desk, and housekeeper.

Remarking that she's "not going to just quit," Mrs. Parsons says that in addition to seeking a part-time job, her retirement plans include traveling, crocheting and embroidery.

Doris M. Zimmerman, offset duplicator operator in the College of Agriculture, retired Jan. 1 after working for the University since 1962.

Leonard D. Hardy, preparation technician in the College of Science, retired Jan. 10. He joined the University staff Jan. 17, 1966.

Joel Balogh, a research associate in the College of Engineering and University employee since 1969, left his position Jan. 1.

Josephine J. Slean, accounting clerk at Hershey Medical Center and a member of the staff since 1970, left her position Jan. 3.

Fred H. Allison, staff co-pilot in the Office of Business Services and University employee since 1966, retired Jan. 1.

Catherine L. Chewaski, food production worker at the Capitol Campus and staff member since 1967, retired Jan. 9.

Carl Volz, electronic designer in the College of Engineering and University staff member since 1969, retired Jan. 1.

Gracie F. Kinney, anesthesia technician at Hershey, left the University on Dec. 6. She had been a Penn State employee since 1970.

Charles G. Taylor, residence hall worker in the Department of Housing and Food Services, retired Jan. 10 after working for the University since 1970.

Evelyn J. Johnson, second cook in the Nittany Lion Inn's main kitchen and University employee since 1970, retired Dec. 7.

Carpoolers

Dennis Ricker would like to share the driving from Linden Hall to the west end of campus. His hours are 8 a.m. to 5 p.m. Phone 865-3416 or 466-7394.

Bill Kantoski is seeking a ride (he would also help with the driving) from Altoona to arrive at work at 8 a.m. and leave campus at either 4:30 or 5 p.m. Phone 863-2471 or 942-1464.

Funding Sources

For further information, call 865-1372

(381-3) The ASEE (American Society for Engineering Education) has announced three Summer Faculty Research/Fellowship Programs in cooperation with: (1) the U.S. Navy (ONR, Naval Medical R & D Command, Naval Material Command); (2) the Department of Energy, and (3) the National Aeronautics and Space Administration (18 centers and universities). The programs are for U.S. citizens with teaching or research appointments, preferably with two years of teaching experience. Stipends are \$450 per week for ten weeks and a travel allowance. The deadline is Feb. 1 for appointments by March 1, 1981.

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Ag honors 30 for their 25 years of service to Penn State



From left: George A. Van Horn, associate professor of agricultural communications; William G. Downs III, assistant professor of agronomy; George W. Conrad, horticulture worker and machine operator; Truman V. Hershberger, associate professor of animal nutrition; and Donna L. Baney (seated), secretary A, horticulture.



From left: Guy H. Temple, associate professor and community resource development agent, North Central Pennsylvania; John E. Creighton Jr., extension agent, Wayne County; Homer F. Mazer, assistant director, Northwest Region Cooperative Extension Service; William H. Lazz Jr., extension agent, Venango County; and Emilie K. Lunger (seated), extension home economist, Wyoming County.



Left photo, Dean James M. Beattie congratulates Paul Grun (right), professor of horticulture. Top center, Philip G. Keeney, professor of food science. Bottom center, James K. Rathmell Jr., professor of floriculture extension.



Professors honored were, from left: Werner J. Mueller, poultry science; Thomas Smyth Jr., entomology; Richard D. Schein, plant pathology; Joseph M. Duich, agronomy; and William E. Sopper (seated), forest hydrology.



Above, from left: Donald L. Ace, professor and extension specialist, dairy and animal science; Nelson H. Gotwals, extension news editor and associate professor of agricultural communications; Richard A. Bailey, senior extension agent, Bucks County; W. Wayne Hinsh, assistant dean and assistant director for administrative management and training, Cooperative Extension Service; Richard S. Adams, professor, dairy science extension; and John Z. Shearer (seated), senior extension agent, Franklin County.

At right, from left, H. Louis Moore, professor, agricultural economics extension; W. Paul Anderson, associate professor, dairy science extension; Robert J. Rugaber, senior extension agent, Butler County; Alfred T. Skala, extension agent, Luzerne County; and Aubrey D. Vose (seated), area marketing agent, Susquehanna Region. Not pictured is Jerry Vonada, barn worker and milker.



University Park Calendar

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Jan. 15 - 25

Special Events

Thursday, Jan. 15
Office of Religious Affairs film, *Legacy of a Dream*, based on work of Martin Luther King, Jr. 9 and 11 a.m.; 1 and 3 p.m.; Eisenhower Chapel Small Lounge.
CinemaTheque, Bertolucci, 1900, 7 p.m. only, HUB Assembly Hall.

Friday, Jan. 16
Office of Religious Affairs film, *Martin Luther King: Man of Peace*, 9 and 11 a.m.; 1 and 3 p.m.; Eisenhower Chapel Small Lounge.
Art History lecture, 4 p.m., Room 230 Arts Bldg., Maarten Wurfball, Lakenhol Museum, Leiden, Netherlands, on "Dutch 17th Century Painting Seen through the Eyes of the Foreigner."
CinemaTheque, 1900, 7 p.m., HUB Assembly Hall.
Folk and Square Dance Roundup, 7:30 p.m., Room 123 White Bldg.
Sports: gymnastics (men) vs. Syracuse, 8 p.m.; ice hockey vs. Upsilon, 9:30 p.m.

Saturday, Jan. 17
Last date for March graduates to take final or doctoral examinations or to deliver master's papers or theses to adviser.
Basketry Workshop, 10 a.m. to 4 p.m., Shaver's Creek Nature Center. Phone 865-1851 for information.
Sports: indoor track (men and women) vs. Maryland, bowling (men) vs. Penn State-Capitol, 1 p.m.; wrestling vs. Clarion, 2 p.m.; ice hockey vs. Upsilon, 3:30 p.m.; basketball (women) vs. Connecticut, 5:45 p.m. and (men) vs. Philadelphia Textile, 8:10 p.m.

Sunday, Jan. 18
University Chapel Service, noon, Frizzell Room, Eisenhower Chapel. Martin Luther King, Jr. Sunday. Rev. Dr. Kenneth Lee Smith.
Colgate Rochester Divinity School, speaker.
Sports: bowling vs. George Washington, 1 p.m.
Artists Series, Vinson Cole, tenor, 8:30 p.m., Schwab Auditorium.

Monday, Jan. 19
Deadline for March graduates to submit cream-ready theses manuscripts to Thesis Office.
Deadline for applications for IAHS Faculty Research Fellowships for Summer/Fall 1981, Hahng Cottage.
CSA workshop, "Cooking for Two," 7 p.m., Room 101 Kern.
Cal State Club meeting, 7:30 p.m., Room 189 MRL.

Tuesday, Jan. 20
Comp. Lit. Luncheon, 12:15, talk, 1 p.m., Room 204 HUB. Walter Dolan, classics, on "Generosity and Politics in the Greek Dark Age: A New Perspective on Homer."
HUB Craft Center, Open House, 7:30-9:30 p.m., Room 312 HUB.

Wednesday, Jan. 21
Communication Disorders Dept. workshop, 2:15 p.m., Room 362 Willard. James Woodward, Gallaudet College, on "Social Linguistics and American Sign Language."
Robeson Center Film Series, *White Man's Land* and *Kenyatta*, 7:30 p.m., Walnut Bldg.
UnCommon Theatre, "Tri-Offenbach," student preview, 8 p.m., Room 112 Kern.
Sports: basketball (men) vs. West Virginia, 8:10 p.m.
Wind Spring Quartet, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, Jan. 22
Cinema-Colleagues meeting, 4:30 p.m., Nursing Consultation Center. Dr. Helen D. Wise, speaker.
CinemaTheque, Okamoto, *Sword of Doom*, 7 and 9:30 p.m., HUB Assembly Hall.
Penn State Federal Credit Union annual meeting, 7:30 p.m., Room 101 Kern.
UnCommon Theatre, URTC, "Tri-Offenbach," 8 p.m., Room 112 Kern; dessert following production, Room 102 Kern.

Friday, Jan. 23
Board of Trustees meeting, Keller Bldg.
Cinema Films, *Rebel Without a Cause*, 7 p.m.: *East of Eden*, 9:15 p.m., HUB Assembly Hall.
Sports: swimming and diving (men) vs. Virginia, 7 p.m.; ice hockey vs. Jr. Flyers, 9:30 p.m.



Alfred Thompson Bricher's "Up the Hudson" (1864), one of the paintings from the Museum of Art's exhibition, "All That Is Glorious Around Us," opening Sunday.

UnCommon Theatre, URTC, "Tri-Offenbach," 8 p.m., Room 112 Kern; dessert following production, Room 102 Kern.
Artists Series, Irene Worth in *Letters of Love and Affection*, 8:30 p.m., Schwab Auditorium.

Saturday, Jan. 24
Board of Trustees meeting, Keller Bldg.
Sports: fencing (women) vs. St. Johns and Penn, 9 a.m. and (men) vs. Penn, 1 p.m.; swimming and diving (women) vs. Virginia, noon and (men) vs. Johns Hopkins, 3 p.m.; bowling vs. Erie C.C. and SUNY-Buffalo, 1 p.m.; wrestling vs. Lehigh, 2 p.m.; basketball (women) vs. Edinboro, 5:45 p.m. and (men) vs. Northeastern, 8:10 p.m.

Faculty Women's Club, midwinter coffee in honor of Trustees' wives, 9:30 a.m., Nittany Lion Inn.
UnCommon Theatre, URTC, "Tri-Offenbach," 8 p.m., Room 112 Kern; dessert following production, Room 102 Kern.

Sunday, Jan. 25
Sports: volleyball (men), Nittany Lion Invitational, 8 a.m.
HUB Craft Center, second session classes begin, Room 312 HUB.
University Chapel Service for the Week of Christian Unity, 11 a.m., Eisenhower Chapel.
France-Cinema, Fellini, *La Strada*, 7 and 9 p.m., Room 102 Chambers.
UnCommon Theatre, URTC, "Tri-Offenbach," 8 p.m., Room 112 Kern; dessert following production, Room 102 Kern.

Seminars

Thursday, Jan. 15
Animal Welfare, Andrew Rowan, Institute for the Study of Animal Problems, Washington, D.C., on "Alternatives to the Use of Animals in Biological Research," 12:45 p.m., Keller Bldg. Auditorium.
Chemistry, Gerd Lamar, Univ. of California/Davis, on "NMR, Electronic and Structural Studies of Heme Proteins," 12:45 p.m., Room 333 Whitmore.
Physics, B.V. Bronk, Clemson Univ., on "A Physicist's Definition of Life," 3:30 p.m., Room 445 Davey.
Friday, Jan. 16
Analytical Chemistry, Karey Holland, graduate student, on "Porphyrin Based Solar Photovoltaic Cell," 11:10 a.m., Room 333 Whitmore.
Physical Chemistry, William White, Materials Research Lab, on "Nuclear Waste Repositories: An Exercise in Applied Solid State Chemistry, Reaction Kinetics and Geochemistry," 2:30 p.m., Room 333 Whitmore.

Monday, Jan. 19
MC3B, George Rose, Hershey Medical Center, on "Domains and Globular Proteins," 4 p.m., Room 101 Allhouse.

Tuesday, Jan. 20
MC3B, George Rose, Hershey Medical Center, on "Structural Segments in Globular Proteins," 11 a.m., Room 101 Allhouse.
Geosciences, Edward Cotter, Bucknell Univ., on "The Role of Marine Processes and Sea Level Fluctuation in the Origin of the Tuscarora Formation of Central Pennsylvania," 3:45 p.m., Room 22 Deike.
Plant Pathology, Larry Zang, graduate student, on "Insects as a Means of Weed Control," 3:55 p.m., Room 213 Buckhout.
Organic/Inorganic Chemistry, S. Diamond, Allied Chemical, on "Cobalt-Nitro Complexes as Oxygen Transfer Agents: Oxidation of Organic Substrates by Molecular Oxygen," 8 p.m., Room 333 Whitmore.

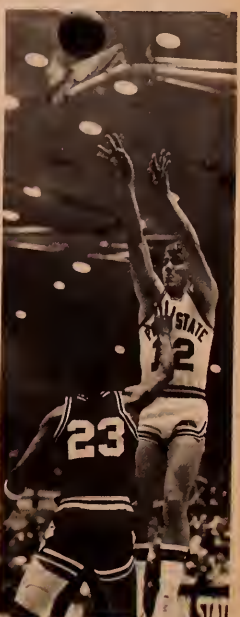
Thursday, Jan. 22
Chemistry, Robert Grubbs, California Institute of Technology, speaker, 12:45 p.m., Room 333 Whitmore.
MC3B, Richard J. Frisque, Cold Spring Harbor Laboratory, on "Mutations in Regulatory Sequences of SV40," 1 p.m., Room 101 Allhouse.
Economics/Institute for Policy Research and Evaluation, Irwin Feller, economics, on "The Measurement of Industrial Innovation," 2 p.m., Room 124 Sparks (rescheduled).
Physics, King Tu, IBM Thomas J. Watson Research Center, Yorktown Heights, on "Metal/Silicon Interface," 3:55 p.m., Room 445 Davey.
Mathematics, Gene Lusk, Bucknell Univ., on "A Good Algorithm for Testing Isomorphism of Trivalent Graphs," 4 p.m., Room 102 McAllister.

Friday, Jan. 23
Physical Chemistry, Milton Cole, physics, on "Superficial Chemistry Probed by Atomic Beam Scattering," 2:30 p.m., Room 333 Whitmore.

Exhibits

Chambers Gallery: Graduate Art Education Student Exhibition.
Kern Gallery: Sarah Berndt, watercolors; Kevin O'Toole, sculpture. Metal Craft Exhibition; Fabric Workshop Exhibit.
Museum of Art: European works from the permanent collection. Selections from the Pre-Columbian and Oriental collections, opens Jan. 17. "All That Is Glorious Around Us," paintings from the Hudson River School, opens Jan. 18.

Pattee Library: Hicks Etchprint National Invitational Exhibit, opens Jan. 16, East Corridor Gallery. Robin Bergstein, mixed media on paper, through Jan. 20, Lending Services Lobby. Nancy A. Norton, stained glass, and Leveta Butler, porcelain, Main Lobby.
Robeson Cultural Center: the works of Oliver LaGrone, opens Jan. 25.
Visual Arts Zoller Gallery: Wayne Tiebaud Exhibit.



Junior guard Craig Buffie is part of the action as Coach Harter's Nittany Lions play a seven-game home schedule this month.

Senate

(Continued from page 1)

by Spring, Dr. Heinsohn predicted.

A subcommittee headed by Robert Price is examining procedures to develop criteria for use in making recommendations to the Provost about programs facing reorganization or discontinuation.

Data on the University's Basic Skills program — still another annual Undergraduate Instruction report — are also scheduled for release during Spring Term.

In other business, the Committee on Faculty Affairs withdrew its legislative report on modifications to P5-23. Senate Chairman George Franz announced that a special forensic session on P5-23 will be held at the March meeting.

Under the auspices of the Committee on External Affairs, Arthur V. Ciervo, director of the Office of Public Information and Relations, presented an oral informational report on the efforts of the Office to support such major University goals as student recruitment, to increase the number of black faculty and students and to bolster both private and State support.

In support of such broad University goals as student recruitment and the increasing of private and State assistance, the University's Office of Public Information and Relations has contacted radio and television talk shows throughout Pennsylvania and in major cities across the country.

These shows are often in need of articulate and informed guests, and Arthur Stober, head of the Radio-TV Section, will try to place members of the faculty and staff on these programs.

Subjects for discussion are usually general and non-technical. Mr. Stober notes, and topical subjects are frequently aired. Faculty members who have authored a newly published book are a possibility for these shows, as are experts in such disciplines as political science and economics.

No funds are available to underwrite special trips into talk show areas, but if faculty or staff members who plan to visit a major city in Pennsylvania or another state on business notify the Information Office at least a month in advance, a talk show appearance might be arranged.

Persons interested in participating in the program should contact Mr. Stober at 865-7517.

English Department

(Continued from page 1)

"The differences from section to section show that the instructor is much more significant than whether the students are mostly majors or non-majors," Dr. Hume points out. "If a class of majors has a 2.5 GPA, it indicates that the teacher is fairly tough by our standards. If non-majors are getting about a 3.0, the instructor may be a bit soft."

Performances by majors and non-majors in upper level English courses are similar to those of students in 0-399 classes. Majors in English 430 (Early American Literature) had a 2.59 GPA. Non-majors in English 418 (Advanced Technical Writing) scored 3.47.

"What this says," Dr. Hume continues, "is that non-majors receive no grade penalty when they take an English course. Most students who take English are prepared to do pretty well in it if they work. People who can't get good grades in English courses generally won't go near them. In English 418, the students know they have writing problems, but they are bright and highly motivated."

In looking over the grades in its service courses, the Department notes fluctuations from term to term. In Fall, when more sections of English 10 (the freshman entry course) are offered, GPAs are lower. By Winter or Spring, when students enroll in English 20, they have some writing experience and the GPAs rise from about

DISTRIBUTION OF GRADES - RESIDENT INSTRUCTION

Table 1. All-University - Percentage of Grades Given in Baccalaureate Courses

Course Level 0-499

Spring Term	A	B	C	D	F	W	Ps	Fl
1974	31.5	33.3	19.5	5.3	3.2	2.2	3.2	0.2
1975	29.8	33.1	20.4	5.7	3.7	2.3	2.9	0.2
1976	28.0	32.6	20.1	5.8	3.0	4.1	2.5	0.1
1977	28.3	32.2	20.1	5.7	2.7	5.5	2.4	0.1
1978	28.6	33.5	21.8	6.1	2.7	6.0	[No longer applicable]	
1979	29.0	34.2	22.2	6.3	2.6	5.6	[No longer applicable]	
1980	28.0	34.1	21.8	6.1	2.8	4.9	[No longer applicable]	

PERCENTAGE OF BACCALAUREATE GRADUATES EARNING DISTINCTION Rank Order by College

Spring 1979	Spring 1980
ED (32.9)	ED (28.7)
SC (29.5)	SC (27.8)
LA (22.2)	A & A (21.5)
A & A (20.2)	ENGR (18.27)
AG (19.5)	LA (18.26)
ENGR (19.5)	AG (16.8)
EM SC (18.7)	H DEV (15.8)
H DEV (16.7)	BA (14.6)
BA (16.6)	HPER (13.0)
HPER (14.9)	EM SC (11.3)

2.40 (English 10) to 2.70-75 (English 20).

"Grades in our service courses are a little higher than they should be," Dr. Hume says, "in part because of the high proportion of graduate assistants and lecturers who teach these sections. If you look at the grades given by full-time faculty members in English 10 and 20, they are markedly lower — although their teaching evaluations are better. Inexperienced teachers tend to award higher grades."

Dr. Hume notes that grades in English 10 and 20 drift up and down "depending on how much pressure the director of

composition puts on faculty members to hold to standards." After one major reorganization several years ago, the proportion of "A" grades in composition courses dropped from over 30 percent to under 10 percent between Spring and Fall terms.

GPAs do not vary much overall between the Campuses and University Park, according to Dr. Hume, although there are sometimes "quite astonishing fluctuations from section to section."

"We need to make even greater efforts to see that instructors are conscious of official grading standards," he concludes.

with three to four years' effective experience in computer operations, peripheral and off-line operation, and in supervising personnel.

DRAFTSPERSON, COLLEGE OF MEDICINE, Hershey. Responsible as the Project Coordinator for the development of drawings and specifications for maintenance, operations, alterations, and selected new projects for the Medical Center mechanical systems, electrical systems, buildings, and yards. An associate degree in architectural drafting or equivalency plus two to three years of effective experience.

Applications are being accepted for the position of academic research assistant to coordinate activities of the Instruction Support Center of the College of Education. The Center provides computer managed instruction systems and individualized examination and testing services to faculty members. It also provides laboratory services and internship experiences for advanced graduate students.

Candidates for the position should have: a master's degree plus advanced course work in computer science, instructional technology or closely related field; programming skills in two or more common computing languages, experience in systems design. Evidence of scholarship and published research studies is desired. Starting date is Feb. 15 or as soon as possible thereafter. The initial appointment is for a fixed term, but plans are being made to assure it will be a continuing position. A letter of application, accompanied by a resume, should be submitted by Feb. 1 to Dr. Harold E. Matal, 234 Chambers Building, University Park, PA 16802.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff non-exempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 665-1287 (network line 475-1287). Applications for these staff vacancies will be accepted until 5 p.m. Jan. 22, 1981. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

GENERAL ACCOUNTANT, COLLEGE OF MEDICINE, Hershey. Responsible to the Supervisor, General Accounting, for the overall operation and control of the General Ledger, Financial Statement, Inventories, and various administrative and statistical reports required by Hospital Administration and the Director of Financial Affairs. A bachelor's degree in accounting or equivalency, plus one to two years' effective experience.

SUPERVISOR, COMPUTER CENTER OPERATIONS, COLLEGE OF MEDICINE, Hershey. Responsible to the Manager, Medical Computer Services, for the supervision and coordination of activities of employees involved in the Computer Center operations, such as keypunch operators, control clerks, computer operators, etc., and for the day-to-day operations of the Medical Computer Center. High school or data processing school graduate

IGPH sponsoring five seminars

The Interdisciplinary Graduate Program in the Humanities (IGPH) sponsors five faculty seminars in which every faculty member and graduate student may participate.

Aesthetics, Literary Criticism and Interpretation Theory: This seminar is concerned with issues relevant to interpretation theory, literary criticism, and philosophical aesthetics. The seminar meets once a month; on each occasion, a faculty member, graduate student or guest speaker presents a short paper which is then discussed at length by those present.

Philosophy of Sport: Faculty members and graduate students of the College of Physical Education meet once a month with faculty and graduate students of other colleges, mainly the College of Liberal Arts, to discuss issues that belong to the history, psychology, sociology and philosophy of sports.

Wittgenstein's Vienna: This seminar, now in its second year, takes its point of departure from the book of the same title by Toulmin and Janik. The seminar meets once or twice a month. Guest speakers and faculty members present ideas for discussion on topics that are immediately relevant to the interdisciplinary interaction between leading scientists and artists in Vienna around the turn of the century. Topics discussed belong to art history, psychiatry, psychology, physics, biology, philosophy, political history, etc.

Philosophy of Science: This seminar developed from an earlier seminar on the interaction between biology and philosophy. The seminar meets once a month. Faculty members and graduate students present ideas on topics that are directly pertinent to contemporary literature in the history and the philosophy of science.

The Harold Schilling Seminar on Science, Philosophy and Religion: This seminar meets once a month at dinner in one of the local restaurants; after dinner, one of the participants presents ideas on issues that are important regarding the influence of the sciences today on philosophy and religion. Those who prefer not to join the group for dinner may participate in the seminar, which begins formally at 7 p.m.

Although IGPH sponsors these seminars, some of them were originally developed independently of IGPH. Also the seminars are listed each month in the INTERCOM calendar.

Any faculty member or graduate student interested in any of these seminars may participate; no formal application is necessary. Those who would like to be kept informed about future meetings of one or more of these groups should send their names and addresses to the IGPH, Room 132 Sparks, or telephone 863-0332, between 9 a.m. and 2 p.m.

News in Brief

(Continued from page 1)

1981 Social Security deductions to rise

Social Security (FICA) deductions will be higher in 1981, as mandated by Federal Law.

The Social Security base increases from \$5,900 to \$29,700, and the rate increases from 6.13 percent to 6.65 percent, effective Jan. 1, 1981. The maximum annual deduction will be \$1,975.05. This is an increase of \$367.36 above the 1980 maximum.

Interactive connections applications not being accepted

Due to the heavy demand on the system, the University Advisory Committee on Instructional Uses of the Computer wishes to remind faculty and staff members that applications are no longer being accepted for interactive connections during the present Winter Term, in accordance with policies previously introduced for Fall and Winter Terms.

Dr. Wise to address Campus Colleagues meeting

Dr. Helen D. Wise, executive director of the Delaware State Education Association and a member of the University's Board of Trustees, will be the speaker at a meeting sponsored by Campus Colleagues at 4:30 p.m. Thursday, Jan. 22, in the Nursing Consultation Center.

Dr. Wise will discuss her varied experiences as an educator and as a former member of the Pennsylvania legislature.

WPSX signs agreement with Brazilian agency

An informal agreement for joint telecommunications activities has been signed between the major educational television agency in Brazil and WPSX-TV. The Brazilian agency is Fundacao Padre Anchieta, Radio-Television Cultura, with headquarters in Sao Paulo.

The major part of the agreement, the production of a series of television lessons for an open-learning course to be offered by the University, was conceived by Dr. David J. Myers, associate professor of political science. The course, with a working title of "The North-South Challenge," will present issues related to the growing importance of relationships between Northern Hemisphere and Southern Hemisphere nations.

The television lessons will be produced by WPSX-TV during the next three years with contract and grant funds. Under the agreement, Radio-Television Cultura will provide technical and production assistance for those segments of the lessons which require on-site filming and access to Brazilian archival materials. The initial informal agreement provides for three other activities between the University and Radio-Television Cultura — a program exchange, an annual exchange of staff persons, and a student work-study program.

Credit Union to meet Jan. 22

The annual meeting of members of the Penn State Federal Credit Union will be held at 7:30 p.m. on Thursday, Jan. 22, in Room 101 Kern Building.

Officers will be elected, and the annual report of the Credit and Supervisory Committees presented. Established in 1959, the Credit Union is open to all full- and part-time personnel of the University. During the last year its assets surpassed the \$4 million dollar mark.

While other financial institutions have found it necessary to increase interest rates, the Credit Union is still able to offer loans, to qualified borrowers, at 12 percent

Non-discrimination policy pledged

Editor's note: The following statement has been submitted as part of the University's annual review of its affirmative action program and is made part of the affirmative action plan in compliance with the U.S. Department of Labor, Office of Federal Contract Compliance Program's Revised Order No. 4. The Affirmative Action Plan is available for review in the Affirmative Action Office, Room 22, Willard Building.

As The Pennsylvania State University undergoes a scheduled compliance review of its affirmative action program, the University once again reiterates in the strongest terms its policy of non-discrimination in recruitment, hiring and promotion of all employees. At this time, as is stated in the Board of Trustees policy, "we further reaffirm the University policy of maintaining programs of affirmative action to avoid such discrimination. The officers of the University are directed to continue to administer all personnel policies without regard to race, religion, color, and national origin; and without regard to handicap, age, sex or status as a disabled or Vietnam era veteran, except as provided by law."

Affirmative action has become an integral part of the operation of this institution of higher education. The Pennsylvania State University is deeply involved in efforts to improve opportunities and alternatives so as to make this institution available to all the citizens of the Commonwealth — and it is further committed to providing the widest

opportunity for success to all of its employees and students.

In implementing its program of affirmative action, the University identifies any organizational unit in which there appears to be an under-representation, as specified in the plan, and makes good faith efforts in recruitment and promotion to correct this under-representation. This is the central element in our efforts to assure equity of treatment in all the terms and conditions of employment.

Penn State's experience over several years indicates that the reality of achieving equal opportunity for all is best described by the philosophy that "words do not equal deeds." Our primary goal is to turn the words of affirmation into action which produces results. This concept is an integral part of the major planning document that the University has prepared as a *Perspective on the '80s*.

To assist the University in implementing its goals in this area, the Affirmative Action Office was established in 1973 with authority delegated to it to assure the University's adherence to the principles and practices of equal opportunity.

The task before us all is to focus our efforts on the essential elements inherent in a successful program and to make responsible decisions to meet the aims of equal opportunity.

John W. Smull
President



Vinson Cole to sing Jan. 18

Tenor Vinson Cole, winner of the first prize in the 1977 Metropolitan Opera auditions, will appear Sunday, Jan. 18, as part of the Artists Series. He replaces baritone Hakan Haggard at the 8:30 p.m. performance in Schwab Auditorium.

Mr. Cole made his New York City Opera debut in 1978-79 as Roldolfo in *La Boheme*, repeating the role the following season. Andrew Porter described him in *The New Yorker* as "a tenor who has suddenly taken the step from high promise to high accomplishment."

A leading member of the Opera Theatre of St. Louis, Mr. Cole has also sung major roles with the opera companies of San Francisco, Boston, Dallas, Seattle, Sante Fe and Vancouver. European audiences have acclaimed his performances at the Theatre de l'Opera in Lyon, Opera du Rhin in Strasbourg and the Welsh National Opera. He has appeared as tenor soloist with a number of major orchestras, including Chicago and Minnesota, and this season will make his debut with the Cleveland Orchestra as tenor soloist in Dvorak's *Stabat Mater*.

Mr. Cole studied at the Philadelphia Academy of Music with the renowned Lucia Albanese and at the Curtis Institute with Margaret Harshaw.

Tickets are on sale at the Eisenhower Auditorium box office or at the HUB booth weekdays from 9 a.m. to 4 p.m. Phone orders on MasterCard/Visa may be placed by calling 863-0255 on the days of the sale.

Memorial fund set up to honor Harold Johnson

A memorial fund has been established to honor the late Harold H. Johnson, associate professor of general engineering at Mont Alto and a long-time member of the University Faculty Senate. Professor Johnson died suddenly last summer.

Contributions to the fund will be added to an endowment, the income from which will support a scholarship at the Campus.

Checks should be made out to the University, marked Harold H. Johnson Memorial Fund, and sent either to Mont Alto Director Vernon L. Shockey or to the Office of Gifts and Endowments, Room 116 Old Main, University Park.

APR, and dividends are presently being paid at 7 percent compounded quarterly. A 1 percent interest rebate was also declared for the year 1980.

The Credit Union's office is open from 10 a.m. to 3:30 p.m. Monday through Friday in the Telephone Building at University Park.

Museum director will discuss Dutch painting

"Dutch 17th Century Painting Seen through the Eyes of the Foreigner" is the title of a talk that will be given by Dr. Maarten Wurfbaan, director of the Lakenhof Museum in Leiden, the Netherlands, at 5 p.m. Friday, Jan. 16, in Room 230 Arts Building.

Dr. Wurfbaan's visit to the University is being sponsored by the Department of Art History. His lecture, which is part of a course in Dutch painting, is open to the public.

Alard concert Jan. 21

The Alard String Quartet's first concert of 1981 will be presented at 8:30 p.m. Wednesday, Jan. 21, in the Music Building Recital Hall.

The three works selected for the program are Haydn's Quartet in C Major, opus 1 No. 6; the Quartet No. 2, opus 92 by Sergei Prokofiev; and Beethoven's Quartet in F Major, opus 18 No. 1.

The Alard String Quartet is composed of violinists Joanne Zagst-Feldman and Donald Hopkins, violist Raymond Page and cellist Leonard Feldman.

Singers' performance praised

The Penn State Singers, led by Professor Raymond Brown, presented a concert last month with the Harrisburg Symphony Orchestra. They sang two Bach works, Cantata No. 140, "Wachet Auf, Ruft uns Die Stimme" and the Magnificat in D Major. Harrisburg's paper, *The Evening News*, praised the group's "total quality, adding that the Singers lived up to their name of being one of the best college vocal ensembles anywhere."

VADD premiums increase; new benefit offered

Effective Jan. 1, the more than 9,000 faculty and staff members who participate in the University's Voluntary Accidental Death and Dismemberment insurance program will have their premium payments reduced. In addition to this, a new maximum benefit of \$200,000 will be available. The new rates are as follows:

Type of Coverage	Monthly Rate		Biweekly Rate	
	Employee Only	From	To	From
Type of Coverage	\$ 10,000	.41	.38	.19
	25,000	1.03	.95	.48
	50,000	2.05	1.90	.95
	100,000	4.10	3.80	1.90
	150,000	6.15	5.70	2.85
	200,000	—	7.60	—
Employee and Dependents	\$ 10,000	.63	.60	.29
	25,000	1.58	1.50	.73
	50,000	3.15	3.00	1.45
	100,000	6.30	6.00	2.90
	150,000	9.45	9.00	4.35
	200,000	—	12.00	—

Because of the new reduced rates and the availability of a new maximum benefit of \$200,000, another enrollment period will be provided during the month of January for all faculty and staff members, whether or not they are currently participating in the program. During this period anyone may take one or more of the following actions: (1) change the dollar amount of coverage, (2) change from individual to family coverage or vice versa, (3) enroll in the plan as a new member, or (4) withdraw from the plan.

In order to make any change in the VADD coverage at this time the faculty or staff member should obtain a VADD enrollment form from his or her Personnel Representative or Business Manager, complete it and return it to the Employee Benefits Division, Room 133 Willard Building, prior to Feb. 1. The changes will be in effect from that date. Only persons who wish to make a change should complete the enrollment form.



Above: Civil engineering students, pre-1900. Right: A mechanical engineering lab in the 1890s.



'Cow College' image revised by University historian

The growth of Penn State has always been linked in the public's mind with prowess in agriculture, but a new study of the University's formative years has determined that it was really never a "cow college."

Indeed, within 31 years after the arrival of the first class in 1859, 75 of the 126 undergraduates in residence were working toward degrees in engineering.

This "revisionist" view of the University's history was presented recently by Dr. Michael Bezilla to the annual meeting of the Pennsylvania Historical Association. Dr. Bezilla has been commissioned by Penn State to prepare a new history of the University and has just completed a history of the College of Engineering.

"Pennsylvania history textbooks that make more than passing reference to Penn State," Dr. Bezilla pointed out, "invariably place its development in the 19th and early 20th centuries almost exclusively within the context of the rise of scientific agriculture."

This misconception on the part of both the public and of professional historians is attributed by Dr. Bezilla to several factors. First, the name given the institution at its founding was The Farmers' High School. Second, the rural setting perpetuated the impression. And finally, the "ag school" image was sustained by a misunderstanding of the aims of the Morrill Land Grant Act of 1862.

"The Morrill Act," Dr. Bezilla explained, "is frequently remembered — possibly because of the very words 'land grant' — as fostering work exclusively in agricultural education and research. In reality, the Morrill Act specified that the fundamental goal of all land grant

institutions 'shall be, without excluding other scientific and classical studies, and including military tactics, to teach such branches of learning as are related to agriculture and the mechanic arts.'"

Even Pugh, the institution's first president and a vigorous supporter of the Morrill Act, proclaimed that his school's long-range objective was "to associate a high degree of intelligence with the practice of agriculture and the industrial arts."

Pugh's early death in 1864 "dealt a serious blow to efforts to begin a course of studies in engineering," according to Dr. Bezilla. Of the five presidents who succeeded him during the next 17 years, only John Fraser (1866-68) attempted to introduce any engineering courses, and his efforts were stymied by the College's financial troubles.

"The late 1860s and 1870s were years of drift and indecision at the College," Dr. Bezilla pointed out, "and its leaders seemed to ignore the Morrill Act's call for utilitarian education. From an emphasis on agriculture, the College turned toward more general studies and by the mid-1870s had come to resemble those classical institutions whose lack of offerings in practical subjects had made the land grant legislation so necessary."

Dr. Bezilla noted that by 1880, the College had only 56 undergraduates, and the legislature had refused to supplement the modest income from the land grant endowment. A faculty member characterized the school in 1881 as "the laughing stock of the state. As an industrial college we are a failure. When the complaint is made that we do so little for agriculture, the reply is that we are no longer exclusively agricultural."

Unfortunately, we are not anything in particular."

This period of drift and indecision, Dr. Bezilla commented, was by no means unique to Penn State. "With the exception of a few well-endowed schools such as Cornell, most land grant colleges and universities . . . made slow progress in conforming to the mandate of the Morrill Act." Dr. Bezilla noted that engineering at this time was taught primarily in private institutions. In Pennsylvania, these included Lehigh and the Polytechnic College of the State of Pennsylvania — the latter, a Philadelphia school which had attempted to secure land grant designation for itself in the 1860s. Lafayette College, the Western University of Pennsylvania (which became the University of Pittsburgh) and several other schools offered engineering instruction sporadically.

The impetus for degree studies in engineering at Penn State came from a group of faculty members and was finally accepted by the Board of Trustees in April 1881. The following year, a new president with a commitment to the promotion of engineering studies arrived on the scene in the person of George W. Atherton.

The first program in civil engineering was joined by mechanical engineering in 1886. Electrical engineering — which developed out of a course of study in "electrotechnics" in the physics department — became a department in 1893, the same year a curriculum in mining engineering was begun. The School of Engineering and the School of Mines were both inaugurated in 1895.

"As President Atherton had anticipated, the introduction of engineering had an almost miraculous effect on the College's

sagging fortunes," Dr. Bezilla reported.

"The number of students attending Penn State climbed steadily from 56 undergraduates in 1860-61 to 126 in 1890. 91, 75 of whom were working toward degrees in engineering. A decade later, 341 undergraduates were in residence, with about two-thirds enrolled in engineering courses. The Department of Electrical Engineering alone usually accounted for more students than all the non-engineering departments combined."

Dr. Bezilla added that by the turn of the century, the School of Engineering was the largest in the Commonwealth — "hardly the hallmark of a purely or even chiefly agricultural institution. In fact, in contrast to engineering's growth, only a few students elected to study agriculture. In only one year between 1880 and 1900 did the number of undergraduates in the agricultural course rise above 15."

This pattern continued. In 1906-1907, of the 743 undergraduates in residence, 608 were engineering majors.

Still another contribution of engineering studies, according to Dr. Bezilla, was the lift it gave Penn State in public esteem and internal tranquility.

"Many of the non-engineering curriculums — education, home economics, commerce and finance, arts and letters, to name a few — gained popularity only after the institution had won a measure of grass roots support throughout the Commonwealth and after it enjoyed a long period of stability following the turmoil that plagued it during the first 30 years of its life."

"In this sense and in the ways already discussed, Penn State was far more than an agricultural school after 1880," Dr. Bezilla concluded.

Behrend scholar finds certain similarities in viewpoints held by Blake and Freud

On the surface, it may appear that William Blake and Sigmund Freud — both luminaries in their respective domains — would have too little in common for treatment in a single scholarly work.

Blake, after all, was an 18th century British poet and artist, and Freud a 19th century Austrian neurologist and founder of psychoanalysis.

However, Dr. Diana Hume George, assistant professor of English at Behrend College, says that the two men do indeed have much in common, for "their views of the structure of the mind are very similar."

And Dr. George can support her thesis: Her new book, *Blake and Freud*, has been nominated for a 1981 Pulitzer Prize.

Published by Cornell University Press several months ago, Dr. George's book has been eulogized in the category of "a distinguished book of non-fiction by an American author, giving prime consideration to high literary quality and originality."

"Essentially, I have reversed the roles of

history," Dr. George explains, adding that in her book she examines Blake as a psychoanalyst and Freud as a poet.

"It is a process of translating from the language of poetry into the language of psychoanalysis and vice versa," she says, "with the result being that both men are actually expressing many of the same ideas."

For example, Dr. George observes that Blake's poetic characters portray the same mental processes — such as those associated with the Oedipus complex — that Freud developed in his theories of psychoanalysis.

"Both men had a visionary sense of the need to unite opposites in order to resolve the self-destructive tendency to dualize experience — such as mind and body, sexuality and eroticism, wish and fear. Both treated as if any set of structures that we realize as dualisms have a common source deep in the psyche," she comments.

Remarkably that her book "initially began as a feminist study," Dr. George



Dr. George

says that she undertook the project as a result of her desire to find out more about Freud, a man she once believed had little to offer the feminist movement.

"Now, I believe that properly interpreted, Freud can be of great value to feminists," she says, adding that "likewise, Blake's ideas about gender are

revolutionary, witty and appealing — both politically and intellectually."

In fact, Dr. George is currently working on a sequel, *Woman in Blake*, for which Cornell Press has first rights. To support her independent research while writing the book, the National Endowment for the Humanities has awarded her a grant for the 1981-82 academic year.

She is also writing a book about 18th century Massachusetts gravestones, and she points out that this work, too, is motivated by her interest in "opposites in the relationships between life and death as reflected on the tombstones."

A third work in progress is *The Zeal of Her House: A Study of Anne Sexton's Poetry*, a project that has occupied Dr. George off and on for seven years and which is "at least as important" to her as *Woman in Blake*.

A frequently published poet and teacher specializing in creative writing, Dr. George has been a member of the Behrend faculty since 1978. She received the B.A. and M.A. degrees in English in 1971 from the State University of New York College at Fredonia. She also holds a second master's degree and a doctorate in English literature (1977 and 1979) from SUNY-Buffalo.

Penn State Intercom

Names sought for '81 awards

The University community is invited to submit nominations for three all-University awards which will be presented during 1981. They are the AMOCO Foundation Outstanding Teaching Awards, the Christian R. and Mary F. Lindback Award for Distinguished Teaching, and the Raymond R. DiMeo Award for Instructional Improvement.

Nominations should be sent to college deans and campus directors. They, in turn, will submit official nominations from their units to the Vice President for Undergraduate Studies by March 15, 1981.

Four AMOCO awards, recognizing excellence in teaching performance in the undergraduate program by senior faculty members, will be presented. At least two of the awards will be made to professors at campuses other than University Park.

To be eligible for nominations, a faculty member must have a minimum of three years of service; have undergraduate teaching as a major portion of his or her assigned duties; and hold the rank of assistant, associate or full professor.

Candidates for the Lindback Award must be tenured faculty members, with a minimum of five years of Penn State service. Undergraduate teaching should be a major portion of the assignment of the nominee, who should also be young enough to have many productive years of teaching ahead.

The DiMeo award recognizes activities by a faculty member, beyond classroom teaching performance per se, that have made a significant contribution toward improving undergraduate instruction. These activities may be directed toward the processes, materials or environments of instruction, may focus on either students as learners or faculty as instructors and may affect courses or programs of study. Evidence of improvement should reflect changes in the motivation, attitudes or skills of students as learners or faculty as instructors; changes in the outcome of instruction — knowledge, values, understanding, judgment or competencies — or changes in the use of instructional resources — faculty and activities.

Classroom group asking for input

The University's Classroom Committee, currently chaired by Donald W. Johnson, associate professor of education and director of the University Division of Instructional Services (UDIS), reports jointly to Robert Dunham, vice president for undergraduate studies, and Ralph Zilly, vice president for business. The general purpose of this group is to assist the teaching faculty by providing classrooms that are optimum in size and condition and equipped to meet the instructional needs of faculty and students.

Specifically, the committee is asked to review, on a regular basis, University classrooms and instructional facilities to assure an effective instructional environment and to forward recommendations for action to appropriate offices and committees.

This group is responsible in

(Continued on page 4)

Brown to discuss world in the '80s Jan. 27

"National Security and the International Crisis: the World in the 1980s" is the title of an address to be given by Harold Brown, his first since leaving his post as Secretary of Defense. He will speak Tuesday, Jan. 27, at 8:15 p.m. in Eisenhower Auditorium.

President Oswald will introduce Dr. Brown, whose appearance is being sponsored by the Office of International Student Affairs and Colloquy.

Dr. Brown was nominated by President Jimmy Carter to be Secretary of Defense and took the oath of office Jan. 21, 1977. Prior to that, he had held a succession of important posts in government and education.

A physicist who earned his doctorate at Columbia University, Dr. Brown was named director of the E.O. Lawrence Radiation Laboratory at Livermore, Calif., in 1960 after serving as a research scientist and in various intermediate management positions there.

He was a member of the Polaris Steering Committee from 1956 to 1968, a member of the Air Force Scientific Advisory Board from 1956 to 1961, and a consultant to and then member of the President's Science Advisory Committee from 1958 to 1961. He was senior science adviser at the



Dr. Brown

Conference on Discontinuance of Nuclear Tests in 1958-59 and a delegate to the Strategic Arms Limitation Talks in Helsinki, Vienna and Geneva, beginning in 1969.

In 1961, Dr. Brown became Director of Defense Research and Engineering, a post he held until 1965 when he was named Secretary of the Air Force. After four years in the position, he returned to California to

serve for eight years as President of the California Institute of Technology.

He has received honorary degrees (D. Eng., LL. D., and Sc. D.) from Stevens Institute of Technology, Long Island University, Gettysburg College, Occidental College, the University of California, the University of Rochester, Brown University, the University of the Pacific, and the University of South Carolina.

Dr. Brown was named one of the Ten Outstanding Young Men of the Year by the U.S. Junior Chamber of Commerce in 1961. In the same year he received the Navy Distinguished Civilian Service Award. In 1963, he was awarded the Columbia University Medal of Excellence. In 1969, he was awarded the Air Force Exceptional Civilian Service Award and the Department of Defense Award for Exceptionally Meritorious Service. He received the Joseph C. Wilson Award in International Affairs in 1976 and an award for Distinguished Contributions to Higher Education from Stony Brook Foundation, N.Y., in 1979.

He is a member of the National Academy of Sciences, the National Academy of Engineering, and the American Academy of Arts and Sciences.

News in Brief

Panelists to discuss Reagan and Latin America

"Reagan and Latin America" is the subject of a panel discussion tonight (Jan. 22) at 7:30 p.m. in Room 101 Chambers Bldg.

Panelists include Dr. Charles D. Ameringer, professor of Latin American history; Dr. John D. Martz, professor and head of the Department of Political Science; Dr. David J. Myers, associate professor of political science; and Dr. John S. Nichols, assistant professor of journalism.

Dr. Terry J. Peavler, associate professor of Spanish and comparative literature, will moderate the panel, which is being sponsored by the Latin American Forum.

UDIS workshop offered

"Instructional Congruency" will be the subject of a 2½-hour workshop to be conducted by George Benscoter, a member of the Instructional Improvement team at the University Division of Instructional Services.

Two presentations will be offered, the first on Tuesday, Jan. 27, and the second on Wednesday, Jan. 28. Both sessions will start at 1:30 p.m. and be held in Room 128 Mitchell Building.

The main objectives of the workshop are to:

1. provide an opportunity for assessing the degree to which individual teachers practice congruency among objectives, strategies and evaluation.
2. discuss some of the instructional "games" instructors may unwittingly be playing with their students,
3. recognize some of the roadblocks to achieving congruent course design,
4. participate in small-group working sessions designed to evaluate case studies involving instructional congruency, and

(Continued on page 4)

IFS program ranks high nationally

While behavioral and social scientists have long been interested in studying how people develop and change from infancy through old age, only in recent years have American universities established formal academic units concerned with the process.

At Penn State, this assignment is the province of the Individual and Family Studies Program (IFS) in the College of Human Development; and, according to Head Fred W. Vondracek, IFS is one of the best programs in the country.

This is not well known within the Penn State community, however; in part, Dr. Vondracek believes, because the study of life-span development is of recent origin. Unlike more traditional disciplines such as chemistry or psychology, the definition and boundaries of the field are still emerging.

But nationally recognized authorities are not shy about acknowledging Penn State's contributions. Says Dr. K. Warner Schaie, a distinguished gerontologist and associate director of the Andrus Gerontology Center at the University of Southern California: "If I had a student interested in graduate work in life-span human development, Penn State is among the top five schools to which I would consider sending him. Penn State's program is known for its methodological innovations and an extremely productive faculty."

"It is one of the few departments that has a serious commitment to strong research and training in all phases of the life-span."

"I think we have tried very hard to become the top program in the country," says Dr. Vondracek. "If we're not there yet, we're very close."

The goal of Penn State's IFS program (and its graduate component, Human Development and Family Studies) is to expand knowledge about the development and functioning of individuals, small groups and families. It also focuses on improving methods for studying the processes of human development/change

and on creating improved techniques and strategies to enhance individual and family functioning.

"Our philosophy is that applied, interdisciplinary research and training are needed to complement the discipline-oriented research carried out in traditional departments," Dr. Vondracek emphasizes.

"The processes and problems of human growth and change are seldom purely social, purely psychological or purely biological," he adds. "We believe that they can be studied only through an integration of these perspectives. I think it's fair to say that not only IFS, but the College of Human Development, has occupied a role of national leadership along with other well-regarded programs — Cornell's for instance — in implementing this interdisciplinary orientation."

Penn State's IFS faculty is in the vanguard of theoretical and methodological work on life-span development. The traditional view of human development states that adulthood is shaped largely by childhood experiences. This was supplanted in the early and mid-'70s by a new school of thought, subsequently popularized in Gail Sheehy's *Passages*, that adults go through predictable life stages; that development does not end with the onset of maturity.

But newer theories, to which many Penn States have contributed, argue that development is a bit more complex. A *Newsweek* article (8/11/80) quoted Dr. Paul Baltes, then professor of human development at Penn State (he is now associate director of the Max Planck Institute in Berlin), as saying: "As people grow older, they become more and more different from one another, so that age means less and less as a determinant of character and behavior."

The article continues: "In their own highly influential model for human development, Baltes and his colleagues distinguish among three kinds of

(Continued on page 4)

Penn Staters

Dr. Robert LaPorte Jr., professor of public administration, delivered a series of lectures on public administration in developing countries and economic development administration in Burma and Pakistan during November and December. His lecture tour was sponsored by the U.S. International Communication Agency. This is the second lecture tour he has undertaken for USICA in recent years as part of the Agency's American Participants in International Communication program. This program is designed to "stimulate exchanges of ideas between selected foreign audiences and leading American authorities in a wide variety of fields." His last lecture tour took him to Bangladesh and Sri Lanka.

Dr. Rodrigue Mortel, professor of obstetrics and gynecology and chief of gynecologic oncology at Hershey, has been installed as president of the Society of Memorial Gynecologic Oncologists. He served also as visiting professor at George Washington University, presenting three talks entitled "Sex Steroid Receptors in Human Endometrium—Clinical Applications in Gynecology and Gynecologic Oncology," "Factors Affecting Survival in Cervical Cancer," and "Current Concepts in the Management of Patients with Epithelial Carcinoma of the Ovary."

Dr. William Lowe Boyd, professor of education in the College's Division of Education Policy Studies, presented an invited paper at Peabody College of Vanderbilt University. Dr. Boyd's paper, "Recent Trends in the Study of Educational Administration: Policy Analysis as a Unifying Framework," was part of Peabody's educational administration seminar series.

Paul West, professor of English and IAHS Fellow, recently served as judge for the Heinz Fiction Prize, offered by the University of Pittsburgh, and also gave a reading from his own fiction in the Cathedral of Learning. On Nov. 12, Professor West was present, as a guest of NASA, at the Jet Propulsion Laboratory, Pasadena, to witness the images sent by Voyager I from Saturn.

His most recent novel, his ninth, *The Very Rich Hours of Count von Stauffenberg*, was published recently to excellent reviews. Essays on his work have recently appeared in *World Authors* and *Contemporary Novelists of the English Language*, and a further one will appear in the series, *The Dictionary of Literary Biography*.

Keith E. Roe, Life Sciences librarian, is co-author of *Dictionary of Theoretical Concepts in Biology*, published recently by Scarecrow Press, Metuchen, N.J. This new reference book serves as a citation index to the named theories of biology, leading users to discussions in the literature of concepts from a Selection to the Zymase Hypothesis. Concept names may be eponymic, such as the Pasteur Effect or Mendel's Laws, while others are colorful or humorous but mnemonic, such as Primordial Soup, the Red Queen Hypothesis, the Losing-your-marbles Theory, or the You-first Principle. Some 1166 named concepts plus their synonyms are included.

Promotions

Staff Exempt

Sally M. Farr to accountant at Hershey.

Robert E. Miller to senior accountant at Hershey.

James T. Rohacek to supervisor, hospital budgets at Hershey.

Staff Non-Exempt

Elen M. Cak to senior staff nurse at Hershey.

John J. Givler to purchasing agent in Applied Research Laboratory.

Alan E. Parker to electron microscopist at Hershey.

Clerical

Donna L. Alexander to senior clerk at Ogontz.

Patricia M. Alters to secretary A in Agriculture.

Ruth Brooks to secretary B in Human Development.

Judith E. Buttorff to secretary B in Liberal Arts.

Bonnie G. Cain to clerk typist A in Science.

Lillian D. Garbrick to clerk processing A in Libraries.

Connie L. Gearhart to accounting clerk in Liberal Arts.

Beverly M. Hosband to secretary A in Education.

Jeannette L. Hurd to clerk A in Business Services.

Cynthia L. Miller to secretary B in Controller's Office.

Vera M. Williams to clerk typist A in Agriculture.

Technical Service

Donna J. Bushman to patient service aide at Hershey.

25-year chairs



Brungart

Pettigill

When Dean A. Brungart's 25-year award ceremony was scheduled, it was important that it didn't conflict with the first day of hunting season. For Mr. Brungart, the winter months are the time for deer hunting and this year's held the reward of a seven-point deer.

During the summer months, Mr. Brungart can be found fishing on either Penns Creek or Elk Creek. An avid sports fan, he enjoys high school wrestling meets and attends Penn State home football games.

From 1952 until 1967, Mr. Brungart was employed as a janitor in West and East Halls. He worked briefly for Corning Glass, returning to work as a janitor in Housing. In 1968, Mr. Brungart became a clerk in the Lending Services Department of the University Libraries and in 1971 was promoted to his present position as senior clerk.

In his job, Mr. Brungart is responsible for training and supervising students who help maintain the stacks. Last Fall, he trained 39 students — "the biggest turnout" since he started in Lending Services.

Mr. Brungart and his wife, Janice, a secretary in the Periodicals Room in Pattee, reside in Madisonburg. They are the parents of a daughter and a son.

Eva Rose Pettigill, according to her supervisor John Meredith, is the kind of employee who has to be forced to take her vacation time. "Even a full scale blizzard won't keep her from coming to work," he adds.

A shipping clerk who works for Audio Visual Services in Continuing Education, Mrs. Pettigill has completed her 25th year at Penn State. She's not up to the record of her husband, Donald, however, she notes. He retired about five years ago after 35 years of service as a food supervisor.

The Pettigills have a married daughter, Patricia Lockhart, and three grandchildren.

Mrs. Pettigill has a favorite hat which she like to wear, and Mr. Meredith says her co-workers kid her about her "Minnie Pearl" used hat special. "We've told her we're thinking about getting her another hat to wear for the next 25 years," he jokes.

Anybody There?

Persons interested in individual and team research projects in the field of Black Studies are invited to attend a symposium series being conducted during the present Winter Term and in Spring Term by the Black Studies Program. "New Directions in Black History" is the topic for the Feb. 19 meeting, with Cyril Griffith and Virginus Thornton the speakers.

Faculty members interested in sharing their research with forum participants or in developing proposals for outside funding should contact: **Dr. James B. Stewart**, Director, Black Studies Program, 865-0458.

Partings



Pixton

Dunkel

Helen L. Dunkel, secretary in the office of the Dean for Research and Graduate Studies, College of Education, retired Jan. 1.

Mrs. Dunkel, who notes that she has performed "all sorts of secretarial duties all around the campus," began her University tenure in June 1953 as a secretary in Continuing Education. She has also worked as a secretary for the Departments of Art and Vocational Education.

Of her retirement plans, Mrs. Dunkel says she and her husband, Lee — a clerk in the biochemistry storeroom in Frear Laboratory — intend to travel, their initial plans including a trip to Florida. In addition, she is looking forward to sewing, "just relaxing" and possibly taking a part-time job.

The Dunks have two daughters, Cindy and Donna, both residents of State College. Cindy received her B.A. degree in art education from the University last May, and Donna (Quaranta) has a son, the Dunks' first grandchild.

Although **Dr. John E. Pixton**, associate professor of history at the Ogontz Campus, officially retired Dec. 31, any real reduction in his activities is most unlikely.

Dr. Pixton is one of the State's most avid cyclists. Chairman of the Bicycling Federation of Pennsylvania, a lobbying group, and master's champion for the 1976 time trial of the U.S. Cycling Federation, his enthusiasm for the sport has taken him pedaling throughout this country and Europe. And he continues to take courses and speak extensively on bicycle racing, touring and safety.

A graduate of Swarthmore College, Dr. Pixton earned his M.A. at the University of Connecticut and his Ph.D. from the University of Chicago.

He came to Penn State at University Park as an instructor in 1954. In 1958, he assumed the position of assistant director for resident instruction at the Ogontz Center. A career decision to return to the classroom and to scholarly research resulted in 1966 in a book, *The Marietta and Cincinnati Railroad 1845-1883*. He also published a number of articles, book reviews and poetry.

A Quaker, actively involved in the American Friends Service Committee, Dr. Pixton took leaves of absence for non-salaried positions as a field director of refugee programs in Morocco and Algeria. He learned Vietnamese, and in 1967 became director of prosthetics in the provincial capital of Quang Ngai, near the war zone of Da Nang.

Dr. Pixton's retirement plans include Ogontz, where he has volunteered to teach a one-credit bicycle safety course. He'll also remain an active member of the Ogontz Speakers Bureau, and he intends to tackle some creative writing projects.

Obituaries

David H. Rank, Evan Pugh professor emeritus of physics and a pioneering giant in the fields of spectroscopy and optics, died Jan. 17 at the age of 74. Dr. Rank published 175 papers in major physics publications before retiring in 1972 after 38 years on the faculty, eight of them (1964-1972) as head of the Department of Physics.

In 1969, he received the American Optical Society's Frederic Ives Medal "in recognition of his outstanding contributions to the fields of atomic and molecular spectroscopy, for his pioneering investigations in Raman and Brillouin scattering, for his many inventive experiments in optics involving a thorough understanding of both theory and experiment and for the guidance he has supplied to scores of students, to each of whom he has provided inspiration and a sense of integrity."

Best known among his colleagues for his work in high-precision infra-red spectroscopy, Dr. Rank devised methods for interferometric wavelength measurements which vastly improved precision in this field.

His work in Raman spectroscopy — the science of identifying gaseous and liquid compounds by their effects on light — substituted the use of photomultiplier tubes for slower and less precise photographic plates, an advance that made this area of science one of great power and precision.

A leader in adapting the laser to spectroscopy, Dr. Rank and his associates discovered in 1962 that the so-called inert gases — argon and krypton — thought for centuries to be resistant to chemical combination, are not inert, but form compounds with the hydrogens and halides.

In the field of Brillouin scattering — related to the scattering of light by crystalline solids — he gave the science a new dimension by applying the continuous wave gas laser.

Born Jan. 2, 1907, in Annville, Pa., Dr. Rank graduated from Lebanon Valley College and came to Penn State as a graduate assistant in 1930, subsequently receiving his M.S. and Ph.D. degrees before joining the faculty.

Richard W. Grant, who served as professor and head of the Department of Music and director of the College Choir and Glee Club from 1922 to 1942, died Jan. 16 at the age of 94.

Among his contributions to Penn State were the establishment in 1929 of the four-year music education curriculum, the organizing of a Summer Session Institute of Music Education, and of the Summer Band, Orchestra and Chorus School for the training of high school music students.

George D. Gummo, a group leader in the landscape construction operation of the Office of Physical Plant, died Jan. 11. A native of Buffalo Run Valley, he was 87 and had worked at the University from 1945 to 1961.

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University Park Calendar

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Jan. 22 — Feb. 1 Special Events

Thursday, Jan. 22
Campus Colleagues meeting, 4:30 p.m., Nursing Consultation Center. Dr. Helen D. Wise, speaker.
Winter Carnival '81" candlelight dinner, 4:45-6:45 p.m., HUB Terrace Room.
Caennatque, Okamoto, Sword of Doom, 7 and 9:30 p.m., HUB Assembly Hall.
Latin American Forum, 7:30 p.m., Room 101 Chambers. Panel discussion on "Reagan and Latin America" by Charles D. Ameringer, Latin American history; John D. Martz and David J. Myers, political science; John Nichols, journalism; Terry J. Pawler, Spanish.
Penn State Federal Credit Union annual meeting, 7:30 p.m., Room 101 Kern.
UnCommon Theatre, URTC, "Tri-Offenbach," 8 p.m., Room 112 Kern; dessert following production, Room 102 Kern.

Friday, Jan. 23
Board of Trustees meeting, Keller Bldg.
Winter Carnival '81" candlelight dinner, 4:45-6:45 p.m., HUB Terrace Room.
CA Films, *Coming Home*, 7 and 9 p.m., Room 112 Chambers; *The Wizard of Oz*, 7 and 9 p.m., Room 101 Chambers.
SFO Films, *Rebel Without a Cause*, 7 p.m.; *East of Eden*, 9:15 p.m., HUB Assembly Hall.
Sports: swimming and diving (men) vs. Virginia, 7 p.m.; ice hockey vs. Jr. Flyers, 8:30 p.m.
Shaver's Creek Nature Center, "Owl Prowl," 7:30 p.m., Stone Valley.
UnCommon Theatre, URTC, "Tri-Offenbach," 8 p.m., Room 112 Kern; dessert following production, Room 102 Kern.
Artists Series, Irene Worth in "Letters of Love and Affection," 8:30 p.m., Schwab Auditorium.

Saturday, Jan. 24
Board of Trustees meeting, Keller Bldg.
Sports: fencing (women) vs. St. Johns and Penn, 9 a.m. and (men) vs. Penn, 1 p.m.; swimming and diving (women) vs. Virginia, noon and (men) vs. Johns Hopkins, 3 p.m.; bowling vs. Erie C.C. and SUNY-Buffalo, 1 p.m.; wrestling vs. Lehigh, 2 p.m.; basketball (women) vs. Edinboro, 5:45 p.m. and (men) vs. Northeastern, 8:10 p.m.
Faculty Women's Club, midwinter coffee in honor of Trustees' wives, 9:30 a.m., Nittany Lion Hall.
"Our Hitler: A Film from Germany, directed by Hans-Jürgen Syberberg. The seven-hour film begins at 11 a.m. in Eisenhower. Tickets go on sale at 11 a.m. in Eisenhower.

Shaver's Creek Nature Center, "Winter Carnival Day," 1-4 p.m., Stone Valley.
Pregeneration, 865-1851.
CA Films, *Coming Home*, 7 and 9 p.m., Room 112 Chambers; *The Wizard of Oz*, 7 and 9 p.m., Room 101 Chambers.
UnCommon Theatre, URTC, "Tri-Offenbach," 8 p.m., Room 112 Kern; dessert following production, Room 102 Kern.

Sunday, Jan. 25
Sports: volleyball (men), Nittany Lion Invitational, 8 a.m.
University Chapel Service for the Week of Christian Unity, 11 a.m., Eisenhower Chapel.
HUB Craft Center, second session classes begin, Room 312 HUB.
Shaver's Creek Nature Center, "Winter Carnival Day," 1-4 p.m., Stone Valley.
Pregeneration, 865-1851.
France-Cinema, *Fellini, La Strada*, 7 and 9 p.m., Room 102 Chambers.
Folklore Society, Square Dance, 7:30 p.m., Walnut Bldg.
UnCommon Theatre, URTC, "Tri-Offenbach," 8 p.m., Room 112 Kern; dessert following production, Room 102 Kern.

Monday, Jan. 26
France-Cinema, *La Strada*, 7 and 9 p.m., Room 112 Kern.
Sports: basketball (men) vs. Loyola, Md., 8:10 p.m.
Tuesday, Jan. 27
School of Music, master piano class and lecture, 9:30-11:30 a.m. and 1-3 p.m., Music Bldg.
Recital Hall, Jerome Rose, Bowling Green Univ. speaker. Information, Steven Smith, 865-0431.
Comp. Lit. Luncheon, 12:15; talk, 1 p.m., Room 204 HUB. Bhondradatt Tewarie, comp. lit., no charge.
V.S. Naipaul: A Brutal Third World Vision.



Irene Worth

UDIS, workshop on "Instructional Congruency," 1:30 p.m., Room 128 Mitchell. Reservations, 863-0668.
Comp. Lit. Film Series, *Identification Marks*: None, 7 p.m. only, Room 112 Kern.
Artists Series film, *Phantom of the Opera* (1925), 8 p.m., Schwab Auditorium.
Philosophy Dept. Dorrer Lecture, 8 p.m., Room 174 Willard. Charles D. Parsons, Columbia Univ., on "Intuition and the Concept of Number."
Colloquy/International Student Assn. lecture, 8:15 p.m., Eisenhower Auditorium. Former Secretary of Defense Harold Brown, on "National Security and International Crisis in the World of the '80s."

Wednesday, Jan. 28
UDIS, workshop on "Instructional Congruency," 1:30 p.m., Room 128 Mitchell. Reservations, 863-0668.
Sports: basketball (men) vs. Colgate, 8:10 p.m.

Thursday, Jan. 29
Deadline for submitting reserve reading lists for Spring Term 1981. Reserve Reading Room, W11 Pette.
STS/TCO luncheon, noon; presentation, 12:20 p.m., Room 101 Kern. Daniel Walden, American studies, on "Into the Future: A New Look at C.P. Snow."
Cinemahedge, Trumbull, *Silent Running*, 7 and 9 p.m., HUB Assembly Hall.
Robeson Center, Germantown Theatre Guild, *Sojourner*, based on the life of Sojourner Truth, 8 p.m., Walnut Bldg.
Sports: wrestling, Athletes in Action, 8 p.m.

Friday, Jan. 30
Cinemahedge, *Silent Running*, 7 and 9 p.m., HUB Assembly Hall.
Commonplace Theatre, *What's Up Tiger Lily?* 7 p.m., The Front, 9 p.m., Room 112 Kern.
CA Films, *Wait Until the Dark*, 7 p.m., Nottotown, 9 p.m., Room 101 Chambers.
Fantastic Animation Festival, 7 and 9 p.m., Room 112 Chambers.
IFC Dance Marathon, 7 p.m.-7 p.m., Sunday, White Bldg.
Sports: gymnastics (men) vs. Southern Connecticut (women) vs. Massachusetts, 8 p.m.; ice hockey vs. West Chester, 9:30 p.m.
Nottotown, 9 p.m., Room 101 Chambers.
Music Bldg. Recital Hall.
Student Foundation for the Performing Arts, Charles Place in Young Mr. Douglas, 8:30 p.m., HUB Ballroom.

Saturday, Jan. 31
Sports: bowling, Lions Pride-Penn State Invitational, through Sunday; fencing (women) vs. Navy, Hofstra and California (PA), 9 a.m.; rifle vs. St. Johns, 10 a.m.; basketball (women) vs. West Virginia, 5:45 p.m. and (men) vs. Westminster, 8:10 p.m.; ice hockey vs. Baltimore Blazers, 10:15 p.m.
Shaver's Creek Nature Center, "Winter Carnival Day," 1-4 p.m., Stone Valley.
Pregeneration, 865-1851.

France-Cinema, *Bunuel, Phantom of Liberty*, 7 and 9 p.m., Room 112 Kern.
CA Film, *Wait Until the Dark*, 7 p.m., Nottotown, 9 p.m., Room 101 Chambers.
Fantastic Animation Festival, 7 and 9 p.m., Room 112 Chambers.

Sunday, Feb. 1
Sports: basketball (men) vs. New Hampshire, 2:10 p.m.; ice hockey vs. Baltimore Blazers, 8 p.m.
Commonplace Theatre, *What's Up Tiger Lily?* 7 p.m., The Front, 9 p.m., Room 112 Kern.

Seminars

Thursday, Jan. 22
Computer Science, David Maier, SUNY/Stony Brook, on "DAGs as Lattices," 4 p.m., Room 325 Whitmore (new listing).
Statistics, J.K. Ord, Univ. of Warwick, England, on "Forecasting Epidemics," 4 p.m., Room 62 Willard (new listing).

Friday, Jan. 23
Analytical Chemistry, Joanne Recchia, grad. student, on "Ruthenium-Histidine Complexes as Structure Probes in Proteins," 11:10 a.m., Room 333 Whitmore.
Physical Chemistry, Milton Cole, physics, on "Superficial Chemistry Probed by Atomic Beam Scattering," 2:30 p.m., Room 333 Whitmore.

Tuesday, Jan. 27
Biology, Martha L. Blair, Univ. of Rochester School of Medicine and Dentistry, on "Neutral Control of Renin Release," 11:10 a.m., Room 8 Mueller Lab.

Environmental Pollution Control, Edward Trest, borough manager, Mylesstown, Pa., on "Protecting Citizens Rights in the Allocation of Wastewater Treatment Costs," 2:20 p.m., Room 165 Barnes.
Geosciences, Hu Barnes, geosciences, on "Dynamics of Geothermal and Hydrothermal Systems," 3:45 p.m., Room 22 Deike.
Plant Pathology, Gary Pederson, grad. student, on "Breeding Plants for Insect or Disease Resistance: Similarities and Differences," 3:55 p.m., Room 213 Buckhout.

Thursday, Jan. 29
Chemistry, Gordon Hammes, Cornell Univ., on "Structure and Function of a Membrane-Bound Enzyme: Chloroplast Coupling Factor," 12:45 p.m., Room 333 Whitmore.
Physics, G. Scoles, Univ. of Waterloo, Canada, on "Atomic Beam Scattering from Atoms, Molecules and Surfaces," 3:50 p.m., Room 445 Davy.
Fuel Science, Ashok Maza, Calgon Corp., on "Combustion of Coal-Oil Mixtures," 4 p.m., Room 301 Steidle.
Philosophy, Stanley Rosen, philosophy, on "Dynamics, Energeia and the Megarians," 4 p.m., Room 167 Willard.
Schilling Science and Religion, Chen-Chi Chang, religious studies, retired, on "Impact of Modern Science on Eastern Religious Thought: A Personal View," 7 p.m., Gilpin Room, Nittany Lion Inn. Dinner at 6 p.m., reservations by Tues, Jan. 27, 863-0524.

Friday, Jan. 30
Physical Chemistry, Albert Vannice, chemical engineering, on "Catalytic Behavior of Carbon Supported Iron on the CO Hydrogenation Reaction," 2:30 p.m., Room 333 Whitmore.

Exhibits

Chambers Gallery: Graduate Art Education Student Exhibition, through Jan. 28.
HUB: H. Leroy Harlow, wooden toys, through Jan. 31. Art Alley: Canadian Woodland Indian Art exhibit and sale, through Jan. 31. The Gallery.

Kern Gallery: Fabric Workshop exhibit, through Jan. 29. Sara Berndt, watercolors, and Metal Craft Exhibition, through Jan. 30. Kevin O'Toole, sculpture, through Jan. 31. Sandra Lietzinger, watercolors, and Nancy Ziegenfuss, ceramics, both open Feb. 6.

Museum of Art: European works from the permanent collection; selections from the Pre-Columbian and Oriental collections: "All That Is Glorious Around Us," paintings from the Hudson River School.

Pattee Library: Hicks Ecthrich National Invitational exhibit, recent Corridor Gallery. Dorothy Hook, recent paintings. Lending Services Lobby: Nancy A. Norton and Laveta Butler, stained glass and porcelain, Main Lobby.

Robeson Cultural Center: "The Works of Oliver LaGrone," opens Jan. 25.
Visual Arts Zoller Gallery: Wayne Tiebald exhibit, through Jan. 27. ceramics exhibit, opens Jan. 30.

Arts Roundup

Actress to present program of readings

One of the world's leading classical actresses, Irene Worth, will appear under the auspices of the Artists Series Friday, Jan. 23, at 8:30 p.m. in Schwab Auditorium.

She will present a program entitled "Letters of Love and Affection," consisting of readings from the letters of such luminaries as Lord Byron, Abraham Lincoln, Oscar Wilde, Helen Keller, and Albert Einstein. Her program was originally created for the Pierpont Morgan Library in New York to mark an exhibition of letters from his archives.

Although Miss Worth is closely identified with Britain's classical theatre and has received Britain's Best Actress Awards for theatre, film and television, she is an American. Born in Nebraska, she made her Broadway debut in 1943 in *The Two Mrs. Carrills*, and then moved on to London. In her first season at the Old Vic, her portrayals of Desdemona in *Othello* and of Helena in *A Midsummer Night's Dream* drew acclaim from both critics and audiences.

Among her triumphs, Miss Worth can boast of two Tony Awards, one for her performance as Alice in Edward Albee's *Tiny Alice* and one for her portrayal of Princess Kosmonopolis in Tennessee Williams' *Sweet Bird of Youth*. She also received the Evening Standard Award for her performance in *Suite in Three Keys*, a trilogy of plays which Noel Coward wrote especially for her. In 1977 she received the Drama Desk Award for her portrayal of Madame Ranevskaya in Chekhov's *The Cherry Orchard* at Lincoln Center.

Tickets for Miss Worth's performance are on sale through Friday, Jan. 23, from 9 a.m. to 4 p.m. at the Eisenhower Auditorium box office and the Artists Series HUB booth. Phone orders on MasterCard/Visa may be placed by calling 863-0255 during the days of the sale.

Seven-hour screening of 'Our Hitler' planned

Serious students of the cinema will have an opportunity to view a special seven-hour screening of Hans-Jürgen Syberberg's *Our Hitler: A Film from Germany*. The Department of Theatre and Film will bring the film to Eisenhower Auditorium Saturday, Jan. 24.

When *Our Hitler* premiered in New York last January, it was hailed by the critics. Susan Sontag called it "one of the great works of art of the 20th century."

Syberberg has synthesized Brechtian materialism and Wagnerian mysticism into what he describes as "the horror dream of a child," according to film instructor William Uricchio. The director foregoes traditional narrative and documentary structure and employs a combination of actors, puppets, stage sets and newsreel clips in his effort to isolate the essence of a historical moment.

Our Hitler is composed of 22 "chapters," arranged in four parts. There are a multitude of cross-references to other works of the cinema, as well as to literature, art and music. Writing in the *Village Voice*, critic J. Hoberman concluded that the film "defies superlatives. Part illustrated lecture, part symphony, part circus sideshow, part fever dream, it is a prolux, extravagant, staggering work... astonishingly adequate to the magnitude of its theme."

Tickets for the film are \$10 and go on sale at the Eisenhower Auditorium Box Office at 11 a.m. on Jan. 24. There are no advance sales and no reservations. The film will

(Continued on page 4)

Arts roundup

(Continued from page 3)

begin at 1 p.m., with a 1½-hour intermission approximately half-way through the screening.

Any one desiring further information should call 865-1884.

Indian art at HUB

A rare glimpse into the culture of Canadian Woodland Indians — as well as a chance to purchase unique Indian art — is being offered in the HUB Gallery, where a Canadian Woodland Indian Art Exhibit and Sale is featured through Jan. 31.

Included in the exhibit are paintings and silk-screen prints by 11 Indian artists, including Norval Morrisseau, an Ojibway Indian from Beardmore, Ontario. It was Mr. Morrisseau who in 1957 first defined the ancient taboos of his people by depicting their sacred tribal myths when a vision placed him under the direction of The Thunderbird, an Ojibway deity who protected him from the curses of medicine men.

As the HUB exhibit suggests, the Indian painters and silk screeners have created a significant body of contemporary art, rooted in the Woodland Indians' long tradition of intimacy with the environment.

In addition to viewing the exhibit, art lovers may purchase originals and reproductions, which are unavailable virtually anywhere else. The Gallery is open from 11 a.m. to 4 p.m. and from 6:30 p.m. to 9:30 p.m. weekdays, and from 1 p.m. to 6 p.m. on Saturdays and Sundays.

LaGrone exhibit opens

Sculptor, poet and educator Oliver LaGrone will open an exhibition of his work at the Paul Robeson Cultural Center in the Walnut Building Sunday, Jan. 25, at 3 p.m. The exhibition, which includes more than 18 pieces in bronze, marble, alabaster, wood and cast stone, will remain until Feb. 8. Mr. LaGrone will return to talk about his work on Feb. 6.

IFS

(Continued from page 1)

influences. The first, the forces of biology and social environment, are most powerful from birth through adolescence and tend to affect all individuals in a given culture at the same age and in the same way. The second set of influences are events such as wars, economic depressions and epidemics, which affect most members of the same generation in a similar way. Finally, Baltes discerns "non-normative life events" such as divorce and career change—unexpected occurrences in an individual's life. These can happen at any time. Baltes observes, but their impact on behavior is greatest in adulthood and old age.

"Life-span individual development is only one of several major emphases within the Individual and Family Studies program," observes Dr. Vondracek. The program is the focus of an active teaching and research effort. One faculty group has recently made major contributions to the study of domestic violence and the maltreatment of children (Jay Belsky, Robert L. Burgess, Vladimir deLisovsky, James Garbarino) while another group is conducting an active research program on family processes (e.g., Dr. Burgess on patterns of family interaction, Gunhild Hagestad on intergenerational relations, and Ted Huston on the development of intimacy and commitment in heterosexual relations).

Dr. Vondracek notes that 13 IFS faculty members have been elected as Fellows in their national professional associations.

Among other indices of faculty excellence he includes the appointment of Dr. Richard Lerner, associate professor of child development, as a 1980-81 Fellow of

Museum offers show of Hudson River School

"Why should not the American landscape painter, in accordance with the principle of self-government, boldly originate a high and independent style, based on his native resources?"

Asher B. Durand, a guiding force in the Hudson River School of landscape painting, asked this rhetorical question in 1855 to clarify the tenets inspiring him and his fellow painters. A sampling of what resulted from these tenets is on exhibit now through March 22 at the University Museum of Art where 61 paintings are being shown under the title, "All That Is Glorious Around Us: Paintings from the Hudson River School."

The works came from the private collection of an anonymous lender. John Driscoll, formerly of the Museum's staff, is largely responsible for organizing the show.

Mr. Driscoll introduces the work of the School in his preface to the exhibit catalogue. He notes that the appellation "Hudson River School" was originally coined by a critic from the *New York Tribune*, who derided the group's paintings as stodgy and provincial. Today, however, many art historians consider the School the first truly American tradition in painting.

Mr. Driscoll observes that three generations of painters, active from the 1820s through the 1880s, are represented in the School. These artists worked closely together; many lived on or near the Hudson River. Some travelled widely in and beyond this country, but they continued to return to the Hudson River/Catskill area as a source of inspiration.

Commenting on the exhibit, Dr. Roland Fleischer, professor of art history, points out that "expressiveness of scene" and "meticulousness of technique" are the chief hallmarks of the Hudson River artists.

"A growing feeling of American nationalism followed the War of 1812," asserts Dr. Fleischer, "and these artists braggad of our landscape, saying, 'Look how big we are! Look what magnificent nature we have here!'"

the Center for Advanced Study in Behavioral Sciences at Stanford.

Another IFS faculty member, Dr. Safilios-Rothschild, was recently appointed to a five-year term on the International Expert Advisory Committee on Disability and Rehabilitation of the World Health Organization.

Dr. Graham B. Spanier, associate professor of human development and sociology, is editor of the new *Journal of Family Issues*.

Dr. Garbarino won the 1979 Mitchell Prize (\$5,000) for his essay titled: "The Issue Is Human Quality: In Praise of Children."

Dr. Vondracek points out also that IFS faculty members currently serve on the editorial boards of 12 professional journals.

"Others serve, or have served recently, on grant review boards for NIH Behavioral Sciences and Human Development, NSF Social and Developmental Psychology, HEW Research, NIH Human Development Study Section, NIA Aging Review Committee, and the NICHD Mental Retardation Research Committee," Dr. Vondracek says.

Another indicator of excellence is the fact that IFS faculty members have obtained outside funding for research and graduate training, averaging well over half a million dollars for the past five years.

Penn State's IFS program which was formed relatively early in 1965 was

"blessed with strong researchers from the start," Dr. Vondracek says. "We've made a strong commitment to recruiting the best scholars in the country, and we're getting them. Many, in fact, have left positions at leading institutions, or have turned down offers at other prestigious universities, to come to Penn State."

In contrast to the romanticized, intimate landscapes of European painters, the Americans' works were detailed portraits of overwhelming, rugged wildernesses. Human beings included in these paintings served mainly to emphasize mortal insignificance as compared with Nature's omnipotence.

Yet, Dr. Fleischer points out, as the century wore on and the Age of Industrialism held sway, the portrayal of these uninvited wilds also came to represent a form of psychological escapism. And as the School's era ended, the last of the Hudson River painters were already complaining of pollution in the Hudson's waters.

Judith Hansen, of the Museum's staff, characterizes the painters' skilled use of light and color as one of the show's most striking features. "It's a spectacular collection," she says. "It includes the big names, but there are also excellent pictures by lesser known artists, some of which have never been exhibited before."

Represented at the Museum are Thomas Cole, considered the School's founder; Frederic Church, one of its greatest members; Asher B. Durand; Albert Bierstadt; and Jasper Cropsey.

Mr. Driscoll will present a lecture on the show on Feb. 3 at 10:30 a.m. in the Museum.

News in Brief

(Continued from page 1)

5. better understand the Instructional Systems model and some of the ways UDIS may assist faculty members with course design, implementation and evaluation.

Participants are encouraged to bring with them any course material or course-related questions for discussion as time permits.

Each workshop is limited to 35 participants on a first-come, first-served basis. Reservations or additional information can be had by calling 863-0668.

The IFS program has one of the larger undergraduate enrollments in the University, averaging about 600 majors in recent years. Graduate enrollment averages about 85 students each year; the program has granted 60 doctorates in the last five years.

"As a rule, we support 90 percent of the costs of a graduate student's education, through research and training grants, assistantships and fellowships," Dr. Vondracek says. "As with faculty, we've made the commitment to recruiting the very best graduate students, and I think their track records have justified our choices."

The most recent crop of Ph.D.s, he notes, have accepted assistant professorships at Cornell, Brandeis, Ohio State, USC, Rutgers, Texas, Virginia Polytechnic Institute and State University and the University of Oklahoma. One is a post-doctoral fellow in psychology at Yale School of Medicine and another is a research psychologist at the NIMH Developmental Psychology Lab.

"The emerging priorities in the IFS program," Dr. Vondracek says, "will be adult development and aging, given the changing demographic patterns. At the other extreme of the life-span, we're increasingly concerned with developing innovative models for day care and infant care, recognizing that fully 50 percent of American women work out of the home. We're trying to anticipate the shifting realities of society."

"We have tried very hard, as well, to encourage diversity among faculty members and students, so as not to become dogmatic. We're trying to maintain a viable, dynamic mixture of expertise to address the various problems in the areas of human development and the family."

Correction

The headline to the contrary, the article last week's INTERCOM describing a reduction in premium payments for the faculty and staff members participating in the Voluntary Accidental Death and Dismemberment insurance program was correct. In resetting the headline, the word "increase" was substituted for "decrease."

Hirshhorn trip set

The Department of Slavic Languages and Penn State's chapter of Dobro Slovo, the national Slavic studies honor society, are co-sponsoring a one-day bus trip to the Hirshhorn Museum of the Smithsonian Institution in Washington, D.C., to view the current exhibit, "The Avant Garde in Russia, 1910-1930: New Perspectives."

The excursion — set for Thursday, Jan. 29 — is open to all members of the University community and will be led by Lorraine Kapitounoff, assistant professor of Russian. For further information and reservations, interested persons should contact the Department of Slavic Languages at 865-1352.

Input asked

(Continued from page 1)

large part for the recent improvements to Sparks 10 and 121, Boucke 111 and 214, as well as many other classrooms.

One of the charges to this committee was to develop regular and systematic input concerning instructional support needs in the classroom. If you are aware of such needs or have suggestions on physical improvements which might be made in classrooms, you are encouraged to write to Don Johnson at Room 211 Mitchell Instructional Services Building.

Staff Vacancies

The following vacancies for positions classified at still exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m. Jan. 29, 1981. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

AVIATION INSTRUCTOR, BUSINESS SERVICES, University Park. Responsible to Chief Flight Instructor for instructing flight and ground school students utilizing FAA approved curricula for private, commercial, instrument and flight instructor pilots. Valid FAA Commercial Pilot, Flight Instructor (airplane and instrument), second class medical certificate required. Position also requires 1500 hours total flight time, 500 hours of which should be as flight instructor.

There are positions in certain work units that, because of the large number of such positions, frequently are still available after employees in the work unit have been considered. They are listed below and will not be listed on an individual vacancy basis. Application for such positions may be made at any time, and you are welcome to make your interest known now to the Employment Division for future consideration when such vacancies occur. These positions are:

POSITION TITLE	LOCATION
Assistant Coordinators	Student Affairs
Assistant Food Supervisors	Housing and Food Service
Computer Operators	Intercollege Research Program
Shifts: 8:00 a.m. to 4:30 p.m. 4:30 p.m. to 1:00 a.m. 12 midnight to 8:00 a.m.	
Programmers	Management Services
Residence Hall Area Coordinators	Student Affairs
Cardiology Technicians	Hershey
Clinical Laboratory Assistants	Hershey
Clinical Laboratory Technologists (HEW)	Hershey
Critical Care Monitoring Technicians	Hershey
(Dr. & Sr. Levels)	
Cytotechnologists	Hershey
Licensed Practical Nurses	Hershey
Medical Technologists (CLIA, MLT, CLT, HEW)	Hershey
Nuclear Medical Technicians	Hershey
Perfusionists	Hershey
Pharmacists	Hershey
Physical Therapists	Hershey
Physician's Assistants	Hershey
Psychiatric Assistants	Hershey
Radiology Technicians	Hershey
Research Technicians	Hershey
(Dr. & Sr. Levels)	
Respiratory Therapy Technicians	Hershey
Staff Nurses	Hershey

Penn State Intercom

From the Trustee Docket

Administrator to handle development, fund raising

The establishment of a vice presidency for development, responsible for planning, directing and coordinating private fund-raising activities, was authorized by the Trustees.

"It is extremely important that Penn State strengthen its ability to develop and implement a comprehensive program for private fund raising," Dr. Oswald told the Board.

"A Perspective on the '80s contains 15 separate references to the need for increased private support. It is clear that the combined efforts of an inflationary economy, the dwindling real value of State support and the emphasis on maintaining quality programs make it necessary for Penn State to strengthen its private fund-raising abilities."

Dr. Oswald noted that the reorganization in 1980 of the Penn State Fund Council, an advisory group on fund raising, was "one action to strengthen the fund-raising capabilities of the University by refining and expanding the organization and role of the Council in this critical activity."

Private funds are used to enrich areas of the University in which it does not receive State support.

In recent years, Dr. Oswald said, Penn State has reallocated funds internally to meet major priorities, including establishment of the new position to expand private support.

Dr. Oswald further noted that during the past eight years Penn State has eliminated vice presidencies for planning, fiscal affairs, medical sciences, public affairs, Commonwealth Campuses, Continuing Education and administrative services. A single vice presidency has replaced the two that formerly administered Commonwealth Campuses and Continuing Education.

"The net effect has been a reduction of six positions at the vice presidential level," Dr. Oswald said.

The new vice president for development will report to the senior vice president for administration (Dr. Richard E. Grubb) and will be a member of the President's Staff.

He or she will be responsible for advising the President and Senior Vice President on fund-raising policies and practices.

The individual will supervise the professional staff of the Office of Gifts and Endowments and work closely with the Penn State Fund Council, the senior academic officers and their faculties, alumni and friends of the University and corporations and foundations.

In concert with the Penn State Alumni Association, the Department of Public Information and Relations and the Department of Publications, the vice president will be responsible also for developing an external relations program to support fund raising.

Dr. Oswald said a search will begin immediately to fill the new position. The individual recommended, he added, "must have a full understanding of the functioning and priorities of an institution like Penn State, as well as professional qualifications in the area of fund raising."

Garban vice presidency to support development

Steve A. Garban has been promoted to vice president and controller in a move expected to strengthen the University's capacity to deal more effectively with complex fiscal matters, including an expanded fund-raising program.

Mr. Garban's promotion from controller is effective immediately, and was approved by the Trustees.

President Oswald noted that Mr. Garban has served as controller and staff assistant to Robert A. Patterson, senior vice president for finance and operations, since 1973. "To recognize properly his most recent service and to recognize appropriately his future assignments," he said, "a promotion and change of title are recommended."

"As more emphasis is placed upon private gifts, external contracts and grants," Dr. Oswald said, "it will be necessary to demonstrate continued concern and responsibility for the stewardship of the University's resources."

"In general, Mr. Garban will be responsible, under Mr. Patterson's direction, for the coordination and



Steve Garban

implementation of the resource requirements section of *A Perspective on the '80s*.

"Specifically, he will focus his efforts on establishing close coordination with the Office of Gifts and Endowments in aiding gift development and in developing stewardship and accounting for increased private support."

"Mr. Garban's promotion," Dr. Oswald continued, "will allow Mr. Patterson to spend more time in the areas of strategic and basic policy decisions and on the tools and techniques of financial and investment management."

A native of Brownsville, Pa., Mr. Garban graduated from Penn State in 1959 with a degree in accounting. He served as captain of the varsity football team and vice president of the Undergraduate Student Government.

He returned to the University in 1961 as assistant business manager of athletics and was named coordinator of accounting in 1966. He became deputy controller in 1968, controller in 1971 and staff assistant to the senior vice president in 1973.

Active in both community and alumni affairs, he is past president of the Lion's Paw Alumni Association, the College of Business Administration Alumni Association, the Penn State Quarterback Club and the Park Forest Junior High P.T.A. He is also on the Board of Trustees of Centre Community Hospital and is a

director of the Farmers' National Bank of Millheim.

16 new members added to Fund Council

Sixteen new members of the recently reorganized Penn State Fund Council were named by the Trustees, bringing the Council's total membership to 46.

"We're extremely gratified at the large number of Penn State alumni and friends who have offered to assist the University in the vital area of private fund raising," said Dr. Richard E. Grubb, senior vice president for administration.

The Council, which advises the Board of Trustees and the President of the University on all matters pertaining to private fund raising, was formed in 1974 and originally included 26 members.

Action taken by the Trustees last September provided for an enlarged membership and called for an examination of the challenges and opportunities for private fund raising during the next five years.

Lawrence G. Foster, a 1948 University alumnus from Westfield, N.J., corporate vice president and assistant to the chairman of the board of Johnson and Johnson, was named last year by President Oswald to head the Council.

Mr. Foster is a past president of the Penn State Alumni Association and was named a Distinguished Alumnus of the University in 1979.

The 16 new members include: Richard A. Benefield '48, manager of the Hotel Magee in Bloomsburg.

Philip H. Cease '49 of Mountainside, N.J., vice president of personnel for Kinney Shoe Corp.

Marian "Mimi" Coppersmith '53 of State College, president, Barash Advertising, Mrs. Coppersmith is a member of the Board of Trustees and an active supporter of the Renaissance Fund.

J. Robert Hicks '43 of Akron, Ohio, executive vice president, Goodyear Tire and Rubber Co. A member of the Penn State Alumni Council, he was named a 1981 Distinguished Alumnus.

Edward R. Hintz Jr. '59 of Chatham, N.J., president, Hintz Capital Management.

Sam W. Jack, Indiana, S.W. Jack Drilling Co.

(Continued on page 4)

Alard to premiere a new concerto with The Pittsburgh

A rare work, a Concerto for String Quartet and Orchestra, will be premiered by the University's Alard Quartet and the Pittsburgh Symphony Feb. 6, 7 and 8 in Pittsburgh's Heinz Hall.

Andre Provin will conduct the new work by Ezra Laderman.

The composer, who numbers operas, symphonies, chamber music and oratorios among his published oeuvre, says that writing the concerto was "an extra challenge because of the lack of precedents in the literature."

Only a few works exist for string quartet and orchestra. Burt Fenner, a professor in the School of Music, composed one which the Alard performed with the Pittsburgh players during a 1973 University Park residency by the orchestra. The Quartet also appeared with the Cincinnati Symphony in a work by Nikolai Beresowsky as part of a prize they



At left, Ezra Laderman - Isiah Laderman photo. Alard members, from left: Joanne Zagst Feldman, Raymond Page, Leonard Feldman, Donald Hopkins.

received for winning the National Federation of Music Clubs Award. "One of the unusual aspects of the Laderman concerto," according to violinist Donald Hopkins, "is the role reversal which occurs during the course of the

piece. It begins with the quartet in a dominant role and ends with the orchestra in ascendancy."

"The piece is very inventive rhythmically," cellist Leonard Feldman avers. "The dialogue between the quartet

and orchestra is extremely jagged and therefore difficult to put together rhythmically."

First violinist Joanne Zagst Feldman characterizes the concerto as very

(Continued on page 8)

Penn Staters

President Oswald has accepted a position on the Government Relations Committee of the National Union Way of America. The recently formed committee is chaired by Bill Ellinghaus, president of American Telephone and Telegraph Co.

C.C. Garvin Jr., chairman of the United Way of America Board of Governors, said Dr. Oswald was invited to serve because, "your leadership and experience both as a member of our Long Range Planning Committee and the leadership you have demonstrated in higher education will be of great value to this important committee."

Karl Rao, deputy director of the Pennsylvania Transportation Institute and an assistant professor of business logistics, has been appointed chairman of the State Transportation Advisory Committee by Gov. Dick Thornburgh.

Transportation Advisory Committee members include persons who work in industry, the legislature, PennDOT, State government and citizen interest groups. The Governor annually designates the chairman from among the public members. The Committee meets the first Monday in February of each year and holds at least three additional meetings during the calendar year.

The State legislature created the State Transportation Advisory Committee, along with the State Transportation Commission, in 1970 so that Commonwealth citizens would be able to have a direct influence on transportation decisions. The Transportation Advisory Committee consults with and advises the Commission and the Secretary of Transportation on key transportation policy issues. The Committee also conducts studies at the Commission's request and helps determine transportation goals and the allocation of available resources.

Dr. Martha T. Halsey, professor of Spanish, has edited a play by the contemporary Spanish dramatist, Jose Maria Rodriguez Mendez.

The play, *Los inocentes de la Moncloa*, depicts student life in Madrid of the 1960s and denounces the dehumanizing competition which the playwright sees as characterizing the Spanish university system and contemporary Spain in general. A constant theme of R. Mendez' theatre is the alienation and betrayal of Spanish youth.

Dr. Halsey's edition, published by Ediciones Almar of Salamanca, forms part of a new series of scholarly editions of the most significant dramas of the post-civil war era in Spain. She is also editor of a play of Antonio Buero Vallejo published in the same series.

Dr. William A. Vogely, professor and head of mineral economics, was one of four invited principal lecturers at the Fourth UNESCO Conference on Resource Policy Modeling at Herzliya, Israel. He spoke on Nonfuel Mineral Resources Modeling.

Dr. Lloyd A. Morley, professor of mining engineering, has been elected a senior member of the Institute of Electrical and Electronics Engineers (IEEE). Senior member is the highest professional grade in the IEEE and requires experience reflecting professional maturity. Only about 12 percent of the 200,000 members of the national organization have been elected to this grade.

Two Penn Staters were among 453 individuals elected Fellows of the American Association for the Advancement of Science at AAAS's annual meeting, held in Toronto in early January. Chosen as AAAS members "whose efforts on behalf of the advancement of science or its applications are scientifically or socially distinguished" were Dr. Richard G. Cunningham, professor of mechanical engineering and vice president for research and graduate studies, and Dr. Thomas Wartik,

professor of chemistry and dean of the College of Science.

Dr. Frederick M. Williams, associate professor of biology, presented a seminar earlier this month at the University of Minnesota. His subject was "On Understanding Predator-Prey Interactions." He also lectured at Montana State University, discussing "A Model of Multiple Nutrient Limitation and Its Ecological Consequences" at a seminar in the chemical engineering department, and "Do We Understand Predator-Prey Interactions?" at a microbiology department seminar.

An exhibition of recent pots by Kenneth Beittel, professor of art education and Fellow of the Institute for the Arts and Humanistic Studies, was on display in the Haas Gallery of Art at Bloomsburg State College in Bloomsburg. Dr. Beittel is currently in Japan, where a one-man show of his work is at the newly-completed Saga Museum of Porcelain and Ceramic Arts in Arita, Saga Prefecture, Kyushu.

Dr. Lester S. Golub, professor of education, Division of Curriculum and Instruction, on leave through June 30, is currently serving as a senior research associate with InterAmerica Research Associates. He is working on two federally funded projects: "Strategies for Assessing Bilingual Vocational Training Programs" and "Automatic Data Processing Applied to the Teaching of English as a Second Language in Bilingual Training Programs."

Bookshelf

A retired member of the physics faculty at the University is the author of a new book, *Physics on Stamps*, published by A.S. Barnes and Company, Inc. Dr. Robert L. Weber's book reflects the recent interest in thematic stamp collecting and includes stamps that picture physicists, physical apparatus, physical principles and theories, technological applications and space exploration.

An associate professor at his retirement in 1977, Dr. Weber is the author or co-author of 15 textbooks and has written two other general interest science books, *A Random Walk in Science* and *Pioneers of Science*, a biography of Nobel Prize winners in physics.

Appointments

Robert R. Elliot as assistant professor of management science at Capitol Campus. B. Eng., McGill U.; M.B.A., Ph.D., U. of Massachusetts-Amherst. Formerly principal engineer, Raytheon Co. Douglas R. Marme as assistant professor, costume designer, Department of Theatre and Film at University Park. B.F.A., Carnegie-Mellon U.; M.F.A., Brandeis U. Formerly assistant professor, Ohio U. David J. Spector as assistant professor of microbiology at Hershey. B.A., Ph.D., U. of Pennsylvania. Formerly research associate, Washington U. School of Medicine, St. Louis.

John P. Kohl as instructor of organization behavior at University Park. B.A., Moravian College; M.Div., Yale U.; M.S., American Tech. U.; Ph.D. in progress, P.S.U. Formerly minister, U.S. Army chaplain.

S. Krishnan as lecturer in marketing at University Park. B. Tech., Indian Institute of Technology, Madras; M.B.A., Indian Institute of Management, Calcutta; Ph.D. in progress, U. of Pittsburgh.

Shaaban A. Abdallah as research associate at Applied Research Laboratory. B.S., Cairo U.; M.S., Ph.D., U. of Cincinnati.

Dale H. Hoover as research assistant at Applied Research Laboratory. B.S.E.E., P.S.U. Formerly engineer, General Electric Co., Erie.

David W. Prather as research assistant at Applied Research Laboratory. B.S., Eastern New Mexico U.; M.S., Drexel U. Formerly senior engineer, HRB-Singer.

Promotions

Faculty

Stephen G. Simpson to professor of mathematics.

Staff Exempt

Kathryn E. Giger to research project assistant at Hershey.

Tana Trapuck to senior staff technologist at Hershey.

Clerical

Rosalie M. Fasick to secretary B in Earth and Mineral Sciences.

Donna L. Smith to secretary B in Alumni Association.

Linda K. White to secretary B in Undergraduate Admissions.

Technical Service

Kathryn Kovacevic to food preparer B at McKeesport.

Thomas L. Stevens to utility and relief worker in Business Services.

Cynthia M. Taylor to residence hall utility worker in Housing and Food Services.

Partings



Withrow

Phillips

John E. Withrow, Monroe County Extension director, retired Jan. 16.

His Extension service began in 1953 with an assignment in both Cumberland and Perry counties. He assumed his duties as Monroe County agent in 1962.

During his tenure there, he developed various educational programs to meet the needs of this rapidly growing county located in the Pocono Mountains, a prime recreational area.

Mr. Withrow holds a B.S. in agricultural education from Penn State.

Herbert F. Phillips, equipment operator in the Office of Physical Plant, retired Jan. 6 after serving the University since 1949.

Mr. Phillips began his Penn State career as a landscaper. He joined the Maintenance Building staff in 1971, operating forklifts and crane-lift trucks.

Betty Parks Strutin, Extension home economist in Lackawanna County, retired Jan. 16 after 36 years of service.

Mrs. Strutin, who holds a B.S. in home economics with a major in nutrition from Penn State, has emphasized foods and nutrition education in her three-and-a-half

decades in the Lackawanna County Extension office.

Always active professionally, Mrs. Strutin served as second vice president of the National Association of Extension Home Economists, which presented her, with a Distinguished Service Award in 1958. She was also president of the Pennsylvania Association of Extension Home Economists.

James F. Singer, maintenance mechanic in the Department of Housing and Food Services, retired Jan. 24 after a University career spanning some 29 years.

Mr. Singer began working for the University in 1951 as a custodian. About three years later, he recalls, he became a maintenance mechanic working on laundry equipment.

Noting that his retirement plans include travel and possibly some hunting, Mr. Singer says much of his time will be devoted to his activities with the American Legion. He is the director and sergeant of arms at the William P. Spiker Post 520 in Alexandria, as well as the sergeant of arms for the 18th District.

Mr. Singer's wife, Dorothy, is a residence hall worker in the Department of Housing and Food Services. She has been a University employee since 1953.

Ethel P. Bowman, residence hall worker in the Department of Housing and Food Services, retired Jan. 17 after working for the University from 1960 to 1969 and from 1970 to her retirement date.

"Penn State's students are really wonderful," Mrs. Bowman says, commenting that she will "greatly miss" her association with them and with her co-workers. Mrs. Bowman also will be missed. The students have told her that she "just can't leave," and one of her co-workers showed up for work with a camera to "document" Mrs. Bowman's final days at the University.

She says her plans for retirement include catching up on some work around the house and gardening, as well as caring for her husband—who suffered a heart attack in 1969. And, if her husband's health permits, she adds that a trip to Florida to visit old friends is a "distinct possibility."

Loretta S. Dolan says she is going to be a "go-go girl" after she retires on Feb. 1. "Not a 'go-go girl' in the same sense as a dancer," she adds, "but in the sense of being a girl constantly on the go."

A secretary in Agriculture since 1957, Mrs. Dolan has worked for the University a total of some 30 years. Several years of her credit date from before 1950, when she was a secretary in the Engineering Science and Management Defense Training Program.

(Continued on page 3)



Ralph E. Zilly, vice president for business (at left), and Ray T. Fortunato, assistant vice president for personnel administration (at right), pose with personnel representatives honored for 10 years of service. They are (starting second from left): Jeri Willey, Alumni Assn. and Gifts and Endowments; Chris Liebegott, Western Region CWC; and William Loop, Liberal Arts.

(Continued from page 2)

"My husband, Earl, is also going to retire on Feb. 1 (from Cerro Copper and Brass in Bellefonte), so we're planning to take a trip to Florida as soon as possible," Mrs. Dolan comments, adding that they like to use their "fifth-wheel" camper when traveling.

They also enjoy boating and fishing, with Canada being one of their favorite destinations.

The Dolans, who reside in Bellefonte, have two sons, Gary and Dennis. Gary holds an associate degree from Penn State-Berks.

Joseph A. Lucas, maintenance worker in the Department of Housing and Food Services, will retire Feb. 1 after being an employee of the University since 1961. He began his University career in Housing and Food Services as a worker in the dishroom, after which he served as a janitor in East Halls before assuming his present position some 15 years ago.

Mr. Lucas — whose retirement plans call for hunting, fishing and gardening — also notes that he is planning to travel, with one of his first trips being to Miami Beach, Fla., where he will visit friends.

Richard E. Husted, an experimental and maintenance mechanic in the College of Engineering, will retire Feb. 1 after being employed by the University since 1962.

Carmella P. Lombardo, a cook in the Department of Student Administrative Services, will retire Feb. 1. She will have served two stints as a University employee, from 1962 to 1966 and from 1968 to her retirement date.

Doris V. Brower, a secretary in the College of Agriculture, will retire Feb. 1. She has been a University employee since 1970.

Clifford A. Hewitt, a research assistant in the Intercollege Research Programs, will retire Feb. 1 after serving the University since 1967.

Mildred R. Shilke, director of nursing in the Department of Student Administrative Services, retired Jan. 17. She had been a University employee since 1963.

Carpoolers

Alice Haines is seeking a ride from Pattee Library to her home in Boalsburg at midnight. She can be contacted at 865-1755 from 3:30 p.m. until midnight.

Kay Christine needs a ride from the Bald Eagle-Sandy Ridge Mountain area of Tyrone to arrive for work at 8 a.m. and leave campus at 5 p.m. Telephone 865-4511.

Obituary

Lucy E. Garman, a secretary with University Safety when she retired in 1976, died Jan. 18 at the age of 68. A Benner Township native, she first joined the staff in 1943 as a clerk typist in Continuing Education.



Union Church ("Old Mud Church") of Philipsburg, now a museum, from illustration in "Historic Buildings of Centre County, Pennsylvania." The church, which grew out of an 1820 log dwelling, was remodeled in 1842. It is used occasionally for special religious services.

From the Press

Historic Buildings of Centre County, Pennsylvania. Prepared by the Historic Registration Project of the Centre County Library. George Ramsey, coordinator. 220 pages. 236 maps, photos, drawings. \$15. A Keystone Book.

Centre County, with its mix of historic buildings and villages set in a rural landscape, traces its history back to 1764 when General James Patton first explored the region.

This volume contains four sections: the Penns Valley Region, Centre Region, Nittany Valley and Bald Eagle Valley/Allegheny Plateau. The structures described and photographed range from log houses and round barns to the Georgian and Victorian mansions built by prospering iron masters and landowners.

Local landmarks such as Philipsburg's 1917 Rowland Theatre, Bellefonte's 1866 Brockerhoff House Hotel and Boalsburg's Boal Mansion (enlarged from a 1789 stone cabin) are documented.

Also included is a glossary of descriptive terms for historic buildings, definitions of styles and local building types, and information on the activities and agencies supporting historic preservation.

Stephen Crane and Literary Impressionism. By James Nagel. 190 pages. \$16.50.

Dr. Nagel earned his Ph.D. at Penn State and is currently professor of English and director of research for the Center for the Humanities at Northeastern University. Departing from previous critical interpretations of Crane's work, he argues that it was the norms and methods of Impressionism that constituted "the continuing and informing impulse throughout his work."

Dr. Nagel examines the influence of Impressionism on Crane's narrative methods, themes, structure, characterizations and patterns of imagery. Crane, he concludes, was "an important figure in the line of development of Impressionistic tendencies from Flaubert's fiction through the sensory images of the French Symbolist poets to such writers as George Moore and Virginia Woolf, the Norwegian Jacob Lie, and other writers in the decades around the turn of the century. The relativistic realities of Crane's Impressionism play a key role in the development of what came to be known as Modernism, especially in its sense of an indifferent and undefinable universe and a lack of individual significance."

Pearl Millet. By Kenneth O. Rachie and J.V. Majumdar. 307 pages. \$29.75.

Grown extensively in the drier areas of west and south India and along the southern peripheries of the Sahara Desert, pearl millet is the most important, and probably has the greatest potential, of all the millets and miscellaneous cereals of the pennisetum family.

A forage or pasture plant, it thrives in semi-arid regions and is grown also in the southeastern United States, Australia and South Africa.

The book covers pearl millet's origin and history, cytology and cytogenetics, breeding and growing, and storage. It is a comprehensive review of research literature on the subject.

Kenneth O. Rachie is associate director for agricultural sciences at the Rockefeller Foundation. J.V. Majumdar is a plant breeder.

Theravada Meditation. By Winston L. King. 172 pages. \$15.

The first book in English to relate modern forms of Theravada meditation practice to its Indian roots, this volume rectifies the publishing imbalance toward Mahayana and Zen. The author has written six previous books on comparative religion and Buddhism.

Search Committee appointed for ARL directorship

Seven faculty members and academic administrators have been named to a search committee to consider nominations and applications for the position of Director of the Applied Research Laboratory (ARL).

The committee is under the chairmanship of Dr. Irwin Feller, director of the Institute for Policy Research and Evaluation. Other members are:

C.L. Ackerman, associate professor of engineering research; F.P. Finlon, professor of engineering research (ARL); E.H. Klevas, associate dean for research, College of Engineering; P.H. Kurtz, research associate (ARL); J. Tichy, professor of architectural engineering; and L.N. Zimmerman, associate dean for research, College of Science.

Last Fall, the present director of ARL, John C. Johnson, received the special

academic title of professor of acoustics from President Oswald. In bestowing this title, Dr. Oswald noted Dr. Johnson's major contributions to the graduate level research programs at Penn State through his outstanding research efforts in the science and engineering of acoustics; his stimulation, development and guidance of acoustics as a major field of academic study; and his dedicated efforts to maintain ARL as an integral part of the University. Dr. Johnson has recently requested that he be relieved from the directorship of ARL to devote more effort to exploring the academic opportunities consistent with his new appointment.

The Applied Research Laboratory is the largest organized research unit located on the University Park campus. The director is responsible for the operation of the

laboratory, including ensuring the technical performance of the research and development programs. He must strive to maintain close interaction between the laboratory and other University programs of research, instruction, graduate-student training and public service. His responsibilities also include maintaining technical competencies and resources, the appropriate organizational and management support, and the appropriateness and quality of research and development activities.

Nominations and letters of application (with resume) must be postmarked by April 1, 1981, to Professor Irwin Feller, Chairman, ARL Director Search Committee, Room 207 Old Main, The Pennsylvania State University, University Park, PA 16802.

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Trustee docket

(Continued from page 1)

Owen E. Landon Jr. '51 of Westport, Conn., president, Landon Associates. Louis E. Lash 28, a Villanova attorney. Paul J. Levine '69, a Coral Gables, Fla., attorney.

Robert W. Moore '48 of New York City, president, Financial Executives Institute.

F. Richard Nichol Jr. '64 of Newport Beach, Calif., research president, Institute for Biologic Research and Development.

Allan W. Ostar '48 of Washington, D.C., association executive, American Association of Colleges and Universities.

William A. Schreyer '48 of Princeton, N.J., president, Merrill Lynch, Pierce, Fenner & Smith. Mr. Schreyer was named a Distinguished Alumnus of the University in 1979.

Frank P. Smeal '42 of Rumson, N.J., partner, Goldman-Sachs Co. and a 1974 Distinguished Alumnus.

Samuel S. Vaughan '51 of Tenafly, N.J., publisher, Doubleday & Co., Inc. He is a 1977 Distinguished Alumnus of the University.

Robert W. Welsh '75 of Barrington, Ill., executive vice president, Leslie T. Welsh, Inc.

The new members joining the following individuals on the Fund Council:

Edward R. Book '54 of Hershey, president and chairman of Hershey Entertainment and Resort Company, A member of the Board of Trustees, he is immediate past president of the Alumni Association.

Samuel B. Casey Jr. '50 of Chicago, retired chairman of Pullman, Inc., and chairman of the John F. Casey Co. He is a 1974 Distinguished Alumnus and an Alumni Fellow.

Jay B. Claster, State College, president of M.L. Claster & Sons, Inc. Frederick J. Close '28 of North Madison, Ohio, retired chairman of the board, Alcoa. A former trustee, he was named a Distinguished Alumnus in 1961.

George H. Deike Jr. '31 of Pittsburgh, retired vice chairman of the board of directors and secretary, Mine Safety Appliances Company. He is a former trustee and a 1967 Distinguished Alumnus.

Robert E. Eberly '39 of Uniontown, chairman of the board, CNB Corp. and the Gallatin National Bank. Mr. Eberly is a 1972 Distinguished Alumnus.

William Elliott, Arcola, retired chairman of the executive committee of Philadelphia Life Insurance Co. Mr. Elliott is the recipient of the Penn State Medal.

Robert L. Elmore '41 of Ft. Lauderdale, Fla., president, Hardives Co. He is a 1981 Distinguished Alumnus.

Barbara H. Franklin '62 of Washington, D.C., consultant, writer and lecturer. A trustee, she was named a Distinguished Alumna in 1972 and has been an Alumnae fellow.

Philip M. Greenberg '54 of Miami Beach, Fla., past president, Energy Development Corp.

J. Lloyd Huck '46 of New Vernon, N.J., president, Merck & Co., Inc. He is a trustee and past president of the Alumni Association.

Robert E. Kirby '39 of Pittsburgh, chairman and chief executive officer, Westinghouse Electric Corp. He was named a 1973 Distinguished Alumnus and is an Alumni Fellow.

Charles P. Neidig '40 of Haverford, financial consultant. Mr. Neidig is a former University trustee and past president of the Alumni Association. He also has been president of the Nittany Lion Club and a director of the Penn State Foundation.

Mrs. A. Robert Noll, Manhasset, N.Y. She is the widow of the late A. Robert Noll, who was a Distinguished Alumnus of the University.

Roland W. Oberholzer '36 of Wilmington, Del., retired director, explosive products, ICI America, Inc. He is past national president of the Alumni Fund.

Willard F. Rockwell Jr. '35 of Pittsburgh, retired chairman, Rockwell International Corp. A former University trustee and past national chairman of the Alumni Fund, he was named a Distinguished Alumnus in 1961.

Stanley G. Schaffer '41 of Pittsburgh, president, Duquesne Light Co. He is a trustee and a 1973 Distinguished Alumnus.

Charles W. Shaeffer '33 of Baltimore, retired chairman, T. Rowe Price Associates, Inc. Mr. Shaeffer is a former trustee, an Alumni Fellow, a Distinguished Alumnus and a past chairman of the Penn State Fund Council.

Philip H. Sieg '57 of Bellefonte, president, Federated Home & Mortgage Co., Inc.

Donald D. Smith '48 of Tunkhannock, president, Smith, Miller & Associates, Inc. He is a former vice president of the Penn State Foundation.

Daniel J. Terra '31 of Kenilworth, Ill., chairman of the board of Lawter Chemical, Inc. He is a 1976 Distinguished Alumnus.

Glenn E. Thomson '31 of Clearfield, attorney.

William K. Ulrich '31 of Clearfield, chairman and chief executive officer, Progressive Publishing Co., Inc. A trustee and former president of the Board, he was named a Distinguished Alumnus in 1969.

Roy Wilkinson Jr. '36 of State College, judge, Commonwealth Court of Pennsylvania. He is a 1971 Distinguished Alumnus.

Members ex-officio of the Penn State Fund Council include President Oswald; Quentin E. Wood '48, president of the Board of Trustees; Walter J. Conti '52, vice president of the Board; Jay Feldstein '59, president of the Alumni Association; and Richard A. Zimmerman '53, vice president of the Alumni Association.

Wood, Conti reelected to leadership posts

Quentin E. Wood, president and chief executive officer of the Quaker State Oil Refining Corp. of Oil City, has been re-elected president of the Board of Trustees for a third one-year term.

Walter J. Conti, a businessman from Doylestown, was re-elected to a third term as vice president.

Mr. Wood, a native of Mechanicsburg, has served on the Board since 1976. He is a 1948 Penn State graduate.

Mr. Conti, owner of Conti's Cross Keys Inn in Doylestown, has been a member of the Board since 1974 and has served on its Executive Committee since 1976. He is a 1952 graduate of the University.

The Trustees also re-elected the associate secretary of the Board, Patricia L. Rosdil of Petersburg. Miss Rosdil was elected to that position last year, after having served for four years as assistant secretary to the Board. She is assistant to the Senior Vice President for Administration.

Dr. Oswald continues as ex-officio secretary of the Board, and Robert A. Patterson, senior vice president for finance and operations, as treasurer. Also named again to a one-year term was Richard H. Baker, assistant treasurer.

Grace T. Younginger, administrative assistant in the Board of Trustees office, was elected assistant secretary of the Board. Mary Lou McCorkle, executive secretary to the President, was re-elected as assistant secretary.

1981 Distinguished Alumni chosen by Board

Nationally known leaders in the fields of business, health care, agriculture, the law, the military and education are among the eight Penn State graduates who will be honored in June as 1981 Distinguished Alumni.

The Distinguished Alumni Award is the highest recognition bestowed on an individual by the University and is equivalent to the honorary doctorate given by many institutions.

The Trustees selected the eight from 82 nominations for the 1981 award. To be honored are:

Roscoe O. Brady Jr. '43, Washington, chief of the Development and Metabolic Branch of the National Institutes of Health.

Maj. Gen. William E. Brown Jr. '49, Panama City, Fla., commander Air Defense Weapons Center, Tyndall Air Force Base.

Dennis J. Carney '42, Pittsburgh, chairman-chief executive, Wheeling-Pittsburgh Steel Corp.

Robert L. Elmore '41, Fort Lauderdale, Fla., president-owner, Hardives Co.

Walter E. Eshelman '33, Hedges, Pa., secretary-treasurer, Twin Valley Farmers Exchange Inc.

J. Robert Hicks '43, Akron, Ohio, executive vice president and director, Goodyear Tire & Rubber Co.

Ruth Johnson Holden '59, Santa Barbara, Calif., inventor-navigator.

Edwin S. Malmud '33, Philadelphia, judge, Court of Common Pleas, First Judicial District of Pennsylvania.

"This truly exceptional group of alumni represents the best that Penn State has produced," Dr. Oswald told the Trustees. "They have gone forth from their Alma Mater and — through their considerable energies and talents — are making the world a better place."

The Distinguished Alumni will be invited to return to Penn State in June for the annual Alumni Institute and Class Reunions programs. At that time, they will be honored by fellow alumni and presented brass medals by the President of the Board of Trustees and the President of the University.

Popularity of disciplines affected by national trends

Such national trends as the growing student interest in career-related education have greatly affected the popularity of some fields of study, Dr. Robert E. Dunham, vice president for undergraduate studies, reported to the Trustees.

"Currently, our enrollments are highest, and still increasing, in engineering, business and most areas of earth and mineral sciences," he said.

Dramatic increases in the number of women attending college and the recent decline in numbers of traditional college-age students also have helped to determine which majors now are largest, Dr. Dunham added.

During Fall Term 1980, accounting was the largest major at Penn State with 770 students. Electrical engineering with 737 students was second. Also among the largest majors were business administration (Capitol Campus), mechanical engineering, individual and family studies, biology, nursing and computer science.

The smallest majors at that time were Latin-American studies, East Asian studies and Russian technical translation.

The largest associate degree majors last Fall were electrical engineering technology with 834 students; business administration, 666 students; and mechanical engineering technology, 583 students.

Among the fields of study that have experienced major increases in enrollment are horticulture, up from 38 students in 1970 to 284 in 1980; petroleum and natural gas engineering, from 39 to 285; agricultural business and management, from 27 to 169; and microbiology, from 57 to 357.

Those that experienced downward shifts during the past decade included secondary education from 1,202 students to 199; health and physical education from 603 to 165; community development, from 244 to 70; and sociology, from 159 to 63.

Associate degree programs in which enrollment has grown sharply since 1970 include letters, arts and sciences, from 244 to 581; computer science, from 193 to 365; and mining technology, from 41 to 97.

Dr. Dunham said the dramatic increase in the use of computers in instruction and the effects of inflation on the costs of supplies for laboratories and libraries hold important implications for undergraduate programs at Penn State.

He also cited several other factors characteristic of undergraduate education at Penn State, among them a leveling-off of the drop in enrollment in education, a recent drop in enrollment in agriculture; the emergence of new program proposals combining study in both professional and non-professional colleges, and the high enrollment of freshmen in a very small number of courses.

"At University Park, 50 percent of the freshman credit hours generated are in 16 courses," he noted. "At the other Penn State campuses, 50 percent are generated in from 10 to 17 courses."

Significant shifts have occurred over the past ten years in the needs of students being served at the campuses other than University Park. While enrollment of baccalaureate and associate degree students at the Campuses is down about 8 percent, the number of non-degree and provisional students has increased 45 percent, Dr. Dunham said.

OGE reports establishment of 15 new programs

Through the Office of Gifts and Endowments, 15 new programs have been established to assist and recognize students and to support various other activities. They include:

— The Chamber Music Fund to provide scholarships to attract and recognize outstanding keyboard, brass, woodwind, and string players, and to promote other activities and functions to enhance the image of the School of Music. The fund's initial principal, \$53,346, was received as an anonymous gift, with the stipulation that scholarships be awarded to full-time students who through auditions exhibit outstanding musical talent. Money designated for enhancement of the School's image will be expended with the approval of the School's Director.

— The Heritage Center, an unincorporated association which has been established at the McKeesport Campus to preserve and further the heritage of the community by preserving historic papers, artifacts, photographs and other material. At least \$10,000 will be solicited from interested persons and organizations as an endowed principal.

— The Hy Berman Memorial Scholarship in Ophthalmology to assist financially outstanding students in the College of Medicine. The initial principal, \$9,925, was donated by friends and family of the late Herman I. Berman, a Lebanon, Pa., businessman.

— The Harvey P. Kocher Memorial Fund to assist students and to provide funds for improving instruction and research in the University's Metallurgy Program. The initial principal of more than \$33,400 was provided by a bequest from the estate of the late Harvey P. Kocher, a 1913 metallurgy graduate. Three-fourths of the income earned by the principal will be made available for expenditure annually. The balance will be returned to the principal.

— The Paul Jarmotz Memorial Loan Fund, which will offer loans to outstanding graduate students in chemistry to help them complete their first year. The \$5,000 initial principal of the fund is a gift from relatives of the late Mr. Jarmotz, who was for many years a research assistant in the Chemistry Department. Short- or long-term loans up to \$400 will be made to students who need funds beyond an assistantship or grant, or who encounter needs which threaten their ability to stay enrolled.

— The M.E. John Lectureship Series, a fund to support an annual lecture or lecture series on a major social or economic issue. The fund's initial principal, \$1,500,

(Continued on page 2)

(Continued from page 4)

was contributed by friends and family of Dr. John, head of the Department of Agricultural Economics and Rural Sociology from 1946-1971.

The Edith M. Johnson Memorial Award to recognize undergraduate students of outstanding academic achievement in food service and housing administration. The award's initial principal, \$1,580, was given by relatives and friends of Mrs. Johnson, a University dietitian from 1929-1951. First preference will be given to those enrolled in the administrative dietetics option of the department.

The Mainwaring Scholarship, which will recognize outstanding voices in the Penn State Glee Club. The initial principal, more than \$10,000, comes from the sale of securities donated by Albert H. Mainwaring, a 1916 civil engineering graduate from Collegeville, Pa. Glee club members who, by audition, display outstanding singing ability, will be considered for the scholarships; academic achievement and financial need also will be considered. Ten percent of the income earned annually will be returned to the principal, and at least one award annually must be given to a singer in the tenor vocal range.

The E. Willard Miller Prize for academic excellence by undergraduate and graduate students majoring in geography. The \$3,000 principal was a gift from Dr. Miller, an associate dean for resident instruction and professor of geography emeritus in the College of Earth and Mineral Sciences. One award each will be given in the graduate and undergraduate divisions to students selected by a faculty committee on the basis of academic achievement and a paper submitted to the committee.

The Sayers J. "Bud" Miller Jr. Memorial Award, established to honor the former head basketball trainer and coordinator of the University's athletic training program. The award's initial principal, \$1,500, was given by colleagues, friends, family and students of Mr. Miller. Students of at least ninth-term standing with at least a 3.0 cumulative average who show leadership, professional attitude, and a commitment to an athletic training career are eligible for the award.

The Mont Alto Campus Endowment Fund, which was established to provide monies for approved, unfunded programs in support of the educational, cultural and athletic purposes of the University and the Mont Alto Campus. The initial principal, \$5,000, has been donated by the Campus's Advisory Board and alumni.

The Roland Joseph Riebold and Myrtle O'Connell Riebold Scholarship to help needy students in the forestry curriculum at Mont Alto. The initial principal of the fund will be donated from the estate of Mr. and Mrs. Riebold, of Tallahassee, Fla. Mr. Riebold is a 1927 forestry graduate who attended the Mont Alto Campus.

The Colonel Albert R. Sabaroff Scholarship, which will recognize and financially assist outstanding undergraduate students of elementary and kindergarten education. Funds will be donated by Louis W. Stamps, a 1964 Penn State graduate in psychology; Susan Sabaroff Stamps, a 1966 graduate in elementary and kindergarten education; and their children, Alisa Rebyn and Melissa Elynn, all of La Crosse, Wis.

The Fred Waring Summer Workshop Scholarship, which will recognize talented high school or college-age singers enrolled or planning to enroll in the Fred Waring Summer Workshop held at the University. Funding to support the scholarships will be derived from gifts from friends, alumni, corporations and other sources.

The Fred Waring Music Scholarship, which will recognize and assist Penn State students with exceptional talent as instrumentalists, composers, arrangers and singers. Funding for the scholarships will come from gifts for this purpose from friends, alumni, corporations and other

sources. Undergraduate or graduate students enrolled or planning to enroll at the University may qualify by audition or portfolio.

Improvements proposed for Shavers Creek Dam

Some \$60,000 in improvements to the University's Shavers Creek Dam has been recommended by an engineering dam consultant, the Trustees learned.

"Essentially, the improvements are centered on increasing the dam's capacity by raising the height of the dam and specifying walls by two feet," Ralph E. Zilly, vice president for business, explained.

Located at the Stone Valley Recreation Center in northern Huntingdon County, the dam was the subject of an April 1979 inspection as part of the nationwide federal dam inspection program.

"After the initial inspection, which found that the Shavers Creek Dam failed to meet some requirements of the 1978 National Dam Inspection Program, the University employed dam consultant Berger Associates to study conditions at the site," Mr. Zilly said.

He added that Berger's report "concurs with the initial findings as reported to the University by the Pennsylvania Department of Environmental Resources, which noted that the dam was constructed at the lower end of the range recommended for storage capacity for a dam of its class."

The Department also reported finding seepage and wet areas below the dam, but Mr. Zilly said the Berger report indicates these are "not likely to affect the safety of the dam."

He further notes that Penn State personnel at the dam are continuing to monitor and gather data and that the largest seepage point has not flowed since June 1980.

"The initial report also suggested that the access road be improved so the dam could be reached during periods of flooding," Mr. Zilly said. "The Berger report proposes that these improvements be included in a plan to raise the dam walls using earth removed from the road, thereby combining all costs for improvement in the \$60,000 figure."

Mr. Zilly observed also that the Berger report contains a "Surveillance and Warning Plan" for the dam, but added that the University is giving more consideration to how best to implement the plan.

Finally, Mr. Zilly told the Trustees that Penn State will "probably" be asked to carry out the proposed Berger plan for increasing the capacity of the dam, which was constructed in 1960.

Policy on names revised

The Trustees approved a revised policy under which University facilities may be named for members of the faculty and staff, Board of Trustees, advisory boards, legislators or government officials five years after they leave active service.

The Board of Trustees may name facilities for such persons in less than five years after they leave active service in exceptional cases recommended by the President of the University.

Buildings, sub-units of buildings, roads, and plazas on Penn State grounds may be named in honor of University friends and benefactors or persons who have made substantial contributions to education in Pennsylvania or in the nation.

An advisory committee on naming facilities, chaired by Dr. Richard E. Grubb, senior vice president for administration, makes recommendations to the University President on names for new or existing facilities. Final approval comes from the Board of Trustees.

Options added to math degree programs

Formal options have been added to the undergraduate degree programs in mathematics, three in the bachelor of arts

degree program and eight in the bachelor of science curriculum, according to Provost Eddy.

Options in the B.S. degree program include actuarial science, biological science, business, computational mathematics, graduate study, mathematical statistics, mathematics and physical sciences.

The B.A. degree program will have options in graduate study, social sciences and mathematics.

"The change to formal options has been made in response to a suggestion from the University Faculty Senate," Dr. Eddy explained.

"Although students were able to choose previously from most of these areas of interest, it was not recorded on their transcripts. These options will provide clearer recognition of a student's preparation to prospective employers."

The B.A. degree in mathematics is designed for students whose interests are oriented toward the arts, humanities and social sciences. The B.S. degree is for students interested in combining math with other areas where the field is applied.

Three of the options were not represented previously as areas of interest. Actuarial science is new, along with both the B.A. and B.S. mathematics options.

"The new B.A. and B.S. mathematics options offer students whose interests don't coincide with one of the other options the opportunity to form a personal program suited to their individual interests," Dr. Eddy commented.

No new courses, faculty or additional University funds will be required to offer the options.

Non-major option set for business/liberal arts

A non-major option in business/liberal arts will be offered beginning Fall Term 1981.

"This will provide students who are not business administration majors, but who seek careers in business and industry, with the opportunity to add a business-oriented dimension to their major field of study," Provost Eddy explained.

To be offered jointly by the Colleges of Business Administration and the Liberal Arts, the new option leads to a Business/Liberal Arts certificate and is open to all students other than Business Administration majors.

It will consist of 27 credits, including nine in prescribed accounting and economics courses, 12 to 18 in additional business administration courses and from zero to six in supporting and related areas, depending on student interest.

"The option provides a basic business background in an orderly and prescribed fashion rather than the random selection process which non-business majors now pursue to acquire business skills," Dr. Eddy continued.

The non-major option will be described in the Baccalaureate Degree Programs Catalog and no new courses or additional University funds will be required to undertake it.

Kutztown new affiliate

Kutztown State College becomes the 22nd institution to affiliate with Penn State under a program aimed at allowing qualified students to receive both a liberal arts and engineering education at relatively low cost.

In five years of study, including three at Kutztown followed by two at Penn State, students who complete the program will earn baccalaureate degrees from both institutions.

"This is part of a continuing effort to cooperate with our sister institutions in establishing educational programs that are economical, yet of high quality," Dr.

Robert E. Dunham, vice president for undergraduate studies, told the Trustees. Students who enroll will spend their first three years at Kutztown, where they will take liberal arts and pre-engineering courses. Those who successfully complete that part of the program will move on to

Penn State for two years of engineering courses in any of one several fields.

These fields include aerospace, mining, agricultural, chemical, industrial, electrical, civil and nuclear engineering. Curricula also will be offered in metallurgy, petroleum and natural gas engineering, and other technical fields.

At Penn State, the program is being conducted through the Colleges of Engineering and Earth and Mineral Sciences.

Edward R. Brown honored by Altoona Campus

The "All-Purpose Room" in the Steven Adler Gymnasium Complex at the Altoona Campus has been named the "Edward R. Brown Memorial Room."

The designation honors the late Mr. Brown, former chairman of the Altoona Campus Advisory Board and prominent Altoona-area certified public accountant.

"It is most fitting to honor Mr. Brown in this fashion," President Oswald noted. "His long-standing and generous support was crucial in the growth and development of the Altoona Campus."

Dr. Oswald further remarked that Mr. Brown's "energetic commitment" to Penn State was reflected in a "multitude of services to the University," including his life membership in the Alumni Association and his membership on the Penn Fund Council.

A native of Clearfield and a member of Penn State's Class of 1948, Mr. Brown was a managing partner in the Altoona accounting firm of Young, Oaks, Brown and Company.

Preliminary plans approved for emissions control system

Preliminary plans for an emissions control system for the University's main boiler plant have been approved by the Board.

The plans, which outline the installation of a fabric filter system to remove particulates from emissions at the West Campus Heating and Power Plant, will require an expenditure of \$6.7 million.

"These controls will enable Penn State to bring its power plant into full compliance with State and federal clean air standards, and, by exclusively using coal, to operate it more efficiently," Ralph E. Zilly, vice president for business, told the Trustees.

The project, being carried out by the State's Department of General Services, is being funded by an appropriation passed by the legislature and signed by the governor.

The fabric filter system will be housed in a 59-feet-by-106-feet metal frame building — a "baghouse" — behind the Burrows Road power plant.

Construction for the project will be carried out in several phases, beginning this Spring. Completion is expected by March 1984.

U.P. actions taken

In several actions affecting the University Park campus, the Board:

— Authorized University officials to grant a right-of-way to the Pennsylvania Department of Transportation (PennDOT) for widening selected segments of Park Avenue in State College. PennDOT will use the right-of-way, which consists of 2,702 square feet of land, to construct new turning lanes on Park Avenue at the intersections of North Atherton and North Allen Streets.

— Approved the renaming of the former Special Education Building at the corner of North Allen Street and East Park Avenue as Business Administration Building II. Special Education classes have been consolidated into other College of Education buildings.

— Voted to name the road leading north from Park Road, past the main dairy barn complex and the Joseph M. Valentine Turfgrass Research Center, "University Drive Extension."

University Park Calendar

Jan. 29-Feb. 8

Special Events

Thursday, Jan. 29

Deadline for submitting reserve reading lists for Spring Term 1981, Reserve Reading Room, W11 Patten.

STS/TCO Luncheon, noon, presentation, 12:20 p.m., Room 101 Kern. Daniel Walden, American studies, on "Into the Future. A New Look at C. P. Snow."
Cinemathque, Trumbull, *Silent Running*, 7 and 9 p.m., Room 112 Kern.
Robeson Center, Germantown Theatre Guild, *Sojourner*, based on life of Sojourner Truth, 8 p.m., Walnut Bldg.
Sports: wrestling, Athletics in Action, 8 p.m.

Friday, Jan. 30

Cinemathque, *Silent Running*, 7 and 9 p.m., HUB Assembly Hall.
Commonplace Theatre, *What's Up Tiger Lily?* 7 p.m., *The Front*, 9 p.m., Room 112 Kern.
GSA films, *Wait Until Dark*, 7 p.m.; *Notorious*, 9 p.m., Room 101 Chambers. *Fantastic Animation Festival*, 7 and 9 p.m., Room 112 Chambers.
IFC Dance Marathon, 7 p.m.-7 p.m., Sunday, White Bldg.
Sports: gymnastics (men) vs. Southern Connecticut (women) vs. Massachusetts, 8 p.m.; ice hockey vs. West Chester, 9:30 p.m.; Penn State Symphonic Wind Ensemble, 8:30 p.m., Music Bldg. Recital Hall.
Student Foundation for the Performing Arts, Charles Pace in Young Mr. Douglass, 8:30 p.m., HUB Ballroom.

Saturday, Jan. 31

Interlands: English country dances workshop. Info: 238-6878.
Sports: bowling, Lions Pride/Penn State Invitational, through Sunday; fencing (women) vs. Navy, Holstra and California (PA), 9 a.m.; rifle vs. St. Johns, 10 a.m.; basketball (women) vs. West Virginia, 5:45 p.m. and (men) vs. Westminster, 8:10 p.m.; ice hockey vs. Baltimore Blasters, 10:15 p.m.
Shaver's Creek Nature Center, "Winter Carnival Day," 1-4 p.m., Stone Valley. Preregistration, 865-1851.
GSA films, *Wait Until Dark*, 7 p.m.; *Notorious*, 9 p.m., Room 101 Chambers. *Fantastic Animation Festival*, 7 and 9 p.m., Room 112 Chambers.

Sunday, Feb. 1

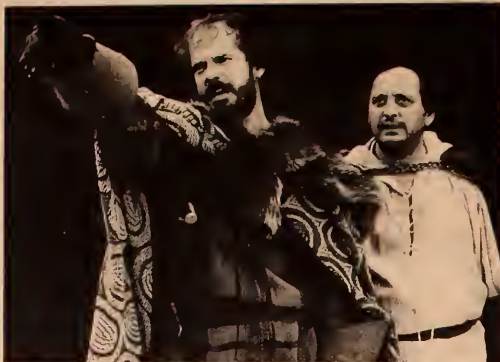
Shaver's Creek Nature Center, "Winter Carnival Day," ice recreation, 1-4 p.m., Stone Valley. Preregistration, 865-1851.
Commonplace Theatre, *What's Up Tiger Lily?* 7 p.m., *The Front*, 9 p.m., Room 112 Kern.

Monday, Feb. 2

First day to sign Spring Term NDSL and University Long Term Loans, Room 108 Shields.
Last date for March graduates to deliver theses to Graduate School and for Departments to certify to Graduate School completion of required papers for March graduates.
Deadline for applying for fellowships through any of the Graduate School programs.
Penn State Invitational Film Festival, noon, Room 112 Kern.
Cinema Cinema, *Phantom of Liberty*, 7 and 9 p.m., Room 112 Kern.
GSA workshop, 7 p.m., Room 102 Kern. Joan Schumacher, ass't. dir., student employment, on "Faculty Aid and Other Loan Programs."
E&MS Student Council lecture, 7:30 p.m., Room 112 Walnut. William Vogely, mineral economics, on "The New Administration's Impact on Energy Policy."

Tuesday, Feb. 3

Red Cross Bloodmobile, 10 a.m.-4 p.m., Walnut Bldg.
Gallery Talk, 10:30 a.m., Museum of Art, John P. Driscoll, curator, William H. Lane Foundation, on "All That Is Glorious Around Us: Masterpieces of the Hudson River School."
Com. Lit. Luncheon, 12:15 talk, 1 p.m., Room 204 HUB. Patrick Cheney, English, on "Magic in *The Faerie Queen*."
University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.
Comp. Lit. Film Series, *Lancelot of the Lake*, 7 and 9 p.m., Room 112 Kern.
Artists' Series Film, *Nosferatu* (1922), 8 p.m., Sch. of Architecture.
Sports: wrestling vs. Wilkes, 8 p.m.
Wednesday, Feb. 4
Red Cross Bloodmobile, 10 a.m.-4 p.m., Walnut Bldg.
Penn State Invitational Film Festival, noon, Room 112 Kern.



Jeffrey King as Macbeth and Gerald J. Quimby as Banquo in upcoming URTC production.

Sports: swimming and diving (women) vs. Maryland, 1 p.m. and (men) vs. Maryland, 4 p.m.; basketball (women) vs. Cheney, 7:30 p.m.
Robeson Center Film Series, *The Georges of New York*, 7:30 p.m., Walnut Bldg.
English Colloquium, 8 p.m., Room 102 Kern.
Paul West, English, reads from his fiction.

Thursday, Feb. 5

Penn State Invitational Film Festival, noon, Room 112 Kern.
Sigma Xi meeting, 3:30 p.m., Colonial Room.
Nittany Lion Lion. H. Arnold Muller, Pa. Sec. of Health, speaker.
Cinemathque, *Rienzi*, *La Guerre est Fini*, 7 and 9:30 p.m., HUB Assembly Hall.
URTC, William Shakespeare, *Macbeth*, 8 p.m., The Playhouse.
German Department Lecture, 8 p.m., Room 124 Sparks. Efi Schneidman of the Univ. of Jena, speaking in German on "Die Lage der Frauen in der DDR. Widerspiegelung von Emanzipationsproblemen in Maxie Wanders *Guten Morgen, du Schone*."

Friday, Feb. 6

Sports: basketball (women), Coca-Cola Lady Lion Classic, through Saturday; ice hockey vs. Duquesne Univ., 9:30 p.m.
Penn State Invitational Film Festival, noon, Room 112 Kern.
Commonplace Theatre, *Obsession*, 7 p.m.; *Alce Does'nt Live Here Anymore*, 9 p.m., Room 112 Kern.
GSA film, *Easy Rider*, 7 and 9 p.m., Room 112 Chambers.
SFO film, *Fleischer, Soylent Green*, 7 and 9 p.m., HUB Assembly Hall.
URTC, *Macbeth*, 8 p.m., The Playhouse.
Artists Series, Concord String Quartet, 8:30 p.m., Schwab Auditorium.

Saturday, Feb. 7

Shaver's Creek Nature Center, training sessions for volunteers on maple sugaring, 9 a.m.-4 p.m., Stone Valley. Info: 865-1851.
Sports: basketball (men) vs. Navy, 2:10 p.m.; ice hockey vs. Univ. of Pittsburgh, 3:30 p.m.
GSA film, *Easy Rider*, 7 and 9 p.m., Room 112 Chambers.
URTC, *Macbeth*, 8 p.m., The Playhouse.
Penn State Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sunday, Feb. 8

Shaver's Creek Nature Center, "Introduction to Back Yard Beekeeping," 1-4 p.m., Stone Valley.
Commonplace Theatre, *Obsession*, 7 p.m.; *Alce Does'nt Live Here Anymore*, 9 p.m., Room 112 Kern.

Seminars

Thursday, Jan. 29

Mathematics, Richard Block, Univ. of California-Riverside, on "Irreducible Representation of the Weyl Algebra and $s\mathfrak{sl}_2$," 4 p.m., Room 102 McAllister (new listing).

Friday, Jan. 30

Analytical Chemistry, Henry Bult, Univ. of Delaware, on "Novel Spectroelectrochemical systems," 11:10 a.m., Room 333 Whitmore.
Physical Chemistry, M. Albert Vanvance, (chemical engineering, on "Catalytic Behavior of Carbon Supported Iron on the CO Hydrogenation Reaction," 2:30 p.m., Room 333 Whitmore.

Monday, Feb. 6

MC3B, Paul Modrich, Duke Univ. Medical Center, on "The Current Status of DNA Restriction and Modification," 4 p.m., Room 101 Altohouse.

Tuesday, Feb. 7

MC3B, Paul Modrich, Duke Univ. Medical Center, on "DNA Sequence Recognition by Eco Restriction and Modification Enzymes," 11 a.m., Room 101 Altohouse.
Environmental Pollution Control, Jerry Patelunas, senior project engineer, Energy Impact Assoc., Pittsburgh, on "Treatability of Coal Gasification Wastes for the U-Gas Process," 2:20 p.m., Room 163 Willard.
Plant Pathology, Ellen King, grad. student, on "Leaf Hairs - A Structural Mechanism of Resistance to Insects," 3:55 p.m., Room 213 Buckhout.

Thursday, Feb. 8

Chemistry, Darryl Busch, Ohio State Univ., on "Totally Synthetic Heme Protein Models," 12:45 p.m., Room 333 Whitmore.
Physics, G. Stiel, SUNY, on "Recent Progress in the Dielectric Theory of Fluids," 3:50 p.m., Room 445 Davery.

Friday, Feb. 9

Analytical Chemistry, Kevin Corby, grad. student, on "Electron Transfer at Semiconductor Electrodes and Photovaltaic Cell Development," 11:10 a.m., Room 333 Whitmore.
Physical Chemistry, Richard Lundgard, grad. student, on "Polyols of Vinylacetylene," 2:30 p.m., Room 333 Whitmore.
Geosciences, W. Jason Morgan, Princeton Univ., on "Hot Spot Tracks on Continents and Unconformities," 3:45 p.m., Room 262 Willard.

Exhibits

Chambers Gallery: Undergraduate Students' prints and paper works: Third Annual Burk-Hartwick Invitational Glass Exhibit, both open Feb. 6.

HUB: H. Leroy Harlow, wooden toys, Art Alley; Canadian Woodland Indian Art, exhibit and sale, The Gallery. Both exhibits through Jan. 31.

Kern Gallery: Fabric Workshop exhibit, through Jan. 29; Sarah Berndt, watercolors, and Metal Craft Exhibition, through Jan. 30; Kevin O'Toole, sculpture, through Jan. 31; Sandra Leitzinger, watercolors, and Nancy Ziegenfuss, ceramics, both open Feb. 2.

Museum of Art: European works from the permanent collection; selections from the Pre-Columbian and Oriental collections: "All That Is Glorious Around Us," paintings from the Hudson River School.

Patten Library: Hicks Echtricht National Invitational Group Show, through Feb. 5. John Inverna, photographs, opens Feb. 5. East Carolina Gallery: Dorothy Hook, recent paintings; Lending Service Lobby, Nancy A. Norbin and Laveta Butler, stained glass and porcelain, through Feb. 4; and Robert Butler, wood sculpture, opens Feb. 4, Main Lobby.

Robeson Cultural Center: The Works of Oliver LaGrone.

Visual Arts Zolt Gallery: ceramics exhibit, opens Jan. 30.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

URTC to offer staging of 'Macbeth'

The University Resident Theatre Company has chosen *Macbeth* for the third production of its 1980/81 season. The show will be presented at the Playhouse Feb. 5-7, 10-14, and 17-21. Tickets are available now at the URTC Box Office in the lobby of the Arts Building or by phoning 865-1884.

The title role in this production is being performed by Jeffrey Bryan King, URTC professional guest artist. An MFA graduate of the Florida State/Asolo Conservatory in Sarasota, Mr. King has essayed a variety of classical roles.

While at the Asolo he performed the title roles in *Othello* and *Volpone*, and as a professional performer has appeared as Nick Bottom, Benvolio, and Toby Belch. His other work includes parts in *Long Day's Journey Into Night*, *Man and Superman*, *Idiot's Delight* and *Mr. Roberts*. The latter was directed by Joshua Logan and featured Martin Sheen. Mr. King recently made his movie debut with an appearance in Burt Reynolds' *Smokey and the Bandit Part II*.

19th century abolitionist is focus of drama tonight

"Sojourner," a stage dramatization of the life of abolitionist Sojourner Truth, will be presented at 8 p.m. tonight (Jan. 29) in the Paul Robeson Cultural Center.

The play is being produced and performed by Philadelphia's Germantown Theatre Guild, a professional dramatic company founded in 1922. The guild has awarded the American Theatre Association for its productions, and has served as a model for youth theatre around the country.

Using short sketches with gospel music, the dramatization portrays Sojourner Truth's emergence from slavery and life as an illiterate black domestic. Moved by what she felt was divine inspiration, she travelled the northern United States, speaking out against slavery and unequal treatment of women.

Admission to the performance is free.

Wind Ensemble offers 15th-anniversary concert

The Penn State Symphonic Wind Ensemble will celebrate its 15th anniversary with a concert at 8:30 p.m. Friday, Jan. 30, in the Music Building Recital Hall.

Joining the Wind Ensemble for the concert will be pianist Steven Smith, an associate professor of music, and the newly-formed Penn State Chamber Choir, directed by associate professor D. Douglas Miller.

The Wind Ensemble will open the program with the overture to the opera, *Beatrice and Benedict*, by Hector Berlioz. Mr. Smith will assist the group in performing Stravinsky's *Concerto for Piano and Wind Symphony*.

Following an intermission, the Wind Ensemble will play Prokofiev's *March, opus 99*, and "The Leaves Are Falling" by Pennsylvania composer Warren Benson, a piece inspired by Rainer Maria Rilke's poem "Autumn."

The Chamber Choir will join the Wind Ensemble for the two concluding numbers on the program. "A Simple Ceremony" by Martin Maiman and "Variations on a Kolorfolsong" by John Barnes Chance. "A Simple Ceremony," based on a setting of the *Agnus Dei* text, was written in memory of Mr. Chance, who was killed in an auto accident. The latter composition, which features the ensemble's percussion section, is one of the last works Mr. Chance wrote for symphonic band.

(Continued on page 6)

News in Brief

Faculty Senate to consider legislative changes

Two legislative items have been placed on the docket of the University Faculty Senate for its Feb. 3 meeting at 2:10 p.m. in Room 112 Kern Building.

The Committee on Committees and Rules is recommending the elimination of the Committee on Intra-University Relations, requiring a change in the *Standing Rules and Bylaws* of the Senate.

The report notes that IRC has completed the major role assigned it, that of assisting with and approving Faculty Organization Constitutions. In addition, its size (32 members) is cumbersome and in some cases has caused a hardship for small voting units who must elect one representative to IRC and thereby lose membership on another committee.

Committees and Rules has also proposed changes in the Senate Constitution and Bylaws, substituting the word "authority" for "responsibility." The Committee was concerned about the vagueness in the definition of these terms, which are used throughout Senate legislation.

Oral informational reports will be presented by the Academic and Physical Planning Committee (Physical Plant Status) and the Admissions Records and Scheduling Committee (Special Admissions Programs).

Telephone Directory errors should be corrected

Faculty and staff members who have noted errors in their Telephone Directory listings should forward corrections immediately to facilitate the preparation of next year's edition.

Information for the directory was taken from payroll files last summer. Following is a list of common errors and the procedures for getting the correct information into the proper files.

In correcting the forms, it is important to fill in all the information. Missing elements may cause errors or rejection of the correction by the computer file.

Directory listing carrying old or incorrect title:

Must be corrected on Payroll Change Form submitted by your Department Head, through the Office of Personnel Administration.

Listing showing old or incorrect address: Home address — changed by submitting new W-4.

Campus address — changed by submitting Office Address Telephone Information form. Both forms are available from your Personnel Representative.

Name omitted from Directory: Submit O.A.T.I. form to Payroll. Form is available from your Personnel Representative.

Unlisted number appearing in Directory: This can be corrected in two ways. Submit new O.A.T.I. form with a Code 2 in the publish box, or fill out a new W-4 form and omit your unlisted number from the form. Both forms are available from your Personnel Representative.

German Department receives gift of books

The German Department has received a \$2,500 grant, in the form of new editions of books by famous German authors, from the Deutsche Forschungsgemeinschaft (German Research Community).

Included in the gift are volumes by authors such as Clemens Brentano, Georg Buchner, Friedrich Hebbel, Gottfried Keller, Ernst Bloch, Hermann Broch, Max Frisch, Hermann Hesse, Odon von Horvath, Rainer Maria Rilke and Robert Walser. Donated to celebrate Penn State's 125th anniversary, the volumes will be placed in the Department's Seminar Room, where they may be used by faculty members and students.



Back to Basics — Chemistry Department graduate students in Davey Lab illustrate what a difference a few letters make.

State health secretary to address Sigma Xi

Dr. H. Arnold Muller, Pennsylvania's secretary of health and chief of the emergency medical division at the Hershey Medical Center, will address the Penn State Sigma Xi Chapter at 3:30 p.m. on Thursday, Feb. 5, in the Colonial Room of the Nittany Lion Inn. The public is invited to attend.

As associate professor of medicine at the Medical Center and the Commonwealth's secretary of health since late 1979, Dr. Muller will discuss health related issues in Pennsylvania.

Before being appointed to his present position by Gov. Dick Thornburgh, Dr. Muller served five years as medical advisor to the State Health Department's division of emergency health service. During the Three Mile Island Crisis, he was chairman of the Medical Center's Radiation Hazards Committee.

Affirmative Action library available

The Employment Division has a library of Affirmative Action/Equal Employment Opportunity reference material to assist University personnel seeking recruitment and affirmative action information. Such information may prove helpful in ascertaining availability of minorities and women for specific job categories, or in locating recruiting sources in fulfillment of affirmative action, good faith efforts.

Some samples of the kinds of data available in this library are:

- (1) A directory for reaching minority groups.
 - (2) A directory of resources for affirmative action recruitment.
 - (3) A handbook for recruiting at the traditionally black colleges, and
 - (4) A directory of organizations interested in the handicapped.
- While the reference material is not available for overnight loan, it may be used in the Employment Division, Room 117 Willard Building, Mondays through Fridays, between 8 a.m. and 12 noon and 1-5 p.m.

1980 major medical claims due by end of March

March 31, 1981, is the last date on which the Employee Benefits Division will accept charges for a 1980 major medical claim for University employees or their dependents. A major medical claim is established if an employee reports \$100 of

eligible, out-of-pocket medical expenses incurred during the calendar year 1980.

Charges that are acceptable for a major medical claim include doctors' office calls, prescribed drugs, private duty nursing (if medically necessary), local ambulance service, oxygen, physiotherapy, insulin and special equipment and appliances. Among charges not covered are routine physical exams, dental work, eye exams and lenses.

Itemized receipts should be obtained for eligible charges and submitted to the Employee Benefits Division with a claim form. In order to avoid delay of payment by the insurance company, all questions in the employee's section of the claim form should be fully completed. Cancelled checks and cash register receipts are not acceptable evidence of charges incurred.

Claim forms and additional information on how to report a major medical claim are available at the Employee Benefits Division, Room 133 Willard Building, the Business Offices at locations other than University Park; and the Personnel Office at the Hershey Medical Center.

WPXS-TV acquires new remote van

WPXS-TV is going places.

And, it is going in style — the station has just put into operation a new remote van, a "television control room on wheels."

Equipped with three color cameras, two videotape recorders, audio and video switchers and a power generator, the van will enable WPXS-TV to "go remote" for live coverage of sporting, community and cultural events.

The van, which was delivered in December, has thus far been used to produce a "Pennsylvania Town Meeting" program for the Pennsylvania Public Broadcasting System; segments of *Penn's Dream*, a film to help celebrate Pennsylvania's Tricentennial in March; and the Penn State-Lehigh wrestling match on Jan. 24.

"This represents an important first step toward the station's planned expansion of live coverage," says John Grant, executive producer for the "Penn State-Lehigh Wrestling" program.

The van's next excursion will be to Hershey on Feb. 12 to film segments of a "Pennsylvania Town Meeting" program focusing on "The Jobs of the 1980s," a look at the State's economy during the coming decade.

Telephone listings corrected for MC3B

Following is a listing for the Department of Microbiology, Cell Biology, Biochemistry and Biophysics as it should appear in the 1980-81 Faculty-Staff Telephone Directory:

Microbiology, Cell Biology, Biochemistry & Biophysics	108 Althouse Lab — Bernlohr	865-5497
Biochemistry Graduate Program	Office — 108 Althouse Lab	865-5497
Director — Mallette	— 206 Althouse Lab	865-1227
Biochemistry Undergraduate Program	Shigley — 103 S. Frear Bldg	865-1214
Biophysics Graduate Program	Office — 618 Mueller Lab	865-2538
Director — Deering	— 201 Althouse Lab	865-0342
Biophysics Undergraduate Program	Office — 618 Mueller Lab	865-2538
Medical Technology Undergraduate Program	Director — Mohr — 124 S. Frear Bldg	865-4825
Microbiology & Cell Biology Graduate Program	Office — 101 S. Frear Bldg	865-3072
Director — Caffrey — 306 S. Frear Bldg		863-2150
Microbiology Undergraduate Program	Advising Office — 120 S. Frear Bldg	863-0502
Microbiology Preparation Room	Grubbs — 122 S. Frear Bldg	865-4373
Stockroom	Dunkel — 156 N. Frear Bldg	865-1219

Associated Press using University's history series

A series of articles on 300 years of Pennsylvania history — developed by the University's Department of Public Information and Relations in conjunction with faculty members — is being distributed by the Associated Press to newspapers throughout the State.

The first article, describing the geological origins of the State, was transmitted Sunday. The remainder are scheduled for release at a rate of two each month throughout 1981.

"We are pleased to do our part to gain visibility for Pennsylvania's Tricentennial," said Arthur Ciervo, director of public information and relations.

The articles were developed by public information writers using the expertise of a large number of faculty members from various departments, including history, geology, physical education, art history, music and English.

1981 motel-hotel guide available at no cost

The 1981 edition of "The State College Area Hotel-Motel Listing" will be ready by the end of January.

The booklet, which is published by the State College Area Chamber of Commerce, is available free of charge from its office at 131 Sowers Street.

Because hotel and motel rates do change from year to year, the Chamber of Commerce urges University departments and offices to pick up the new edition before using the booklet to arrange accommodations for visitors.

Nutrition Clinic offers counseling services

The Nutrition Clinic offers counseling on a complete range of nutritional practices and questions, including weight control, diabetes, sodium control, alternative eating styles and stages of the life cycle.

Interested members of the faculty and staff and students can schedule appointments by calling 863-0613. Monday-Friday, 8 a.m. — 5 p.m.

Alard

(Continued from page 1)

accessible on the whole, mixing tonality and lyricism with 12-tone ideas. "The slow movement is particularly lyrical, almost operatic in its melodic line," she says.

And violinist Raymond Page sees the concerto as "basically exuberant, a happy work."

Ezra Laderman, a professor of music and composer-in-residence at SUNY-Binghamton, has served since 1979 as director of the Music Program of the National Endowment for the Arts. The Alard has performed a number of his compositions and in 1977 premiered his Fifth Quartet.

A friendship between the members of the Quartet and the composer developed, and when Mr. Laderman indicated an interest in writing for quartet and orchestra, the Alard turned to the University's Institute for the Arts and Humanistic Studies. The Institute provided a grant, and additional support was obtained from the Pennsylvania Council on the Arts and the Pittsburgh Symphony Orchestra.

Ticket information for persons desiring to attend the premiere of the Concerto for String Quartet and Orchestra may be had by phoning 412-281-5000. The performances on Feb. 6, 7 and 8 are scheduled at 8:30 p.m., 8 p.m. and 2:30 p.m., respectively.

Mr. Laderman completed the score last spring and wrote a piano reduction for the orchestral part. The Quartet, which has been rehearsing with pianist Jill Olson, will finally get to hear the full orchestral component of the score when they travel to Pittsburgh Feb. 3 for rehearsals. Mr. Laderman will, of course, be present at the premiere.

"I'm very happy about the work as a work," he says, "but only when I hear the quartet with the Orchestra will I know how they complement one another. I'm looking forward to seeing if I'm right or wrong."

Mr. Page sums up the Alard's feelings: "Personally, I feel truly privileged. Any quartet would love to have the chance to perform such a work."



Serenade your sweetheart

Why not make this Valentine's Day one to remember by surprising your sweetheart with a serenade?

Can't carry a tune? Why about singing in his or her office or classroom?

No problem. Members of Zeta Psi fraternity and Phi Mu sorority will do it for you.

For a small fee — with all proceeds to benefit the American Heart Association, Central Pennsylvania Chapter — the Greeks will deliver singing Valentines, a personal message and a heart-shaped lollipop on campus Feb. 12, 13, 14.

Daytime deliveries will be made to Willard, Sparks, Boucke, Old Main, the HUB, Business Administration and Hammond buildings, as well as the Forum. Absentee serenaders even have a collection of popular love songs, with selections including "Oh, You Beautiful Doll," "Ain't She Sweet," "Let Me Call You Sweetheart," "Baby Face," "All My Lovin'" and "You Are My Sunshine."

Valentines may be ordered Feb. 4, 5, 6, 9, 10 and 11 by telephoning Ed Zehel or Bruce Del Valle at 237-8641 or Interfraternity Council at 865-3455. They may be ordered also in Redifer, Pollock, Waring and Findlay dining halls and in the HUB.



Concord String Quartet will perform as part of the Artists Series on Feb. 6.

Arts Roundup

(Continued from page 6)

The Penn State Symphonic Wind Ensemble is directed by Smith Toulson, an associate professor of music.

Concord String Quartet to perform in Artist Series

The Concord String Quartet, winner of the Naumburg Chamber Music Award, will perform at 8:30 p.m. Friday, Feb. 6, in Schwab Auditorium under the auspices of the Artists Series.

Founded in 1971, the Quartet has presented the world premieres of more than 50 new works, most recently, George Rochberg's "Concord Quartets" (Quartets Nos. 4, 5, and 6) and Quartet No. 7. In addition to holding an Artist-in-Residence appointment at Dartmouth College, the Concord members play about 100 concerts on tour each season. During the current season, they will perform the complete Beethoven string quartet cycle at Lincoln Center's Alice Tully Hall in New York.

The Quartet's members are: Mark Sokol and Andrew Jennings, violins; John Kochanowski, violist; and Norman Fisher, cello.

For their performance at Penn State,

they will play an all Beethoven program — Quartet in G Major, opus 18, no. 2; Quartet in D Major, opus 18, no. 3; and Quartet no. 13 in B-Flat Major, opus 130.

Tickets for the performance, which is part of the Fine Arts Series, will go on sale at the Eisenhower Auditorium box office beginning Tuesday, Feb. 3. Phone orders on MasterCard/Visa will be accepted at 814-863-2055.

One-man drama portrays Frederick Douglass

"Young Dr. Douglass," a one-man drama featuring actor Charles Pace, will be presented at 8:30 p.m., Friday, Jan. 30, in the HUB ballroom.

The drama depicts the first 32 years in the life of Frederick Douglass, the famous ex-slave, turned anti-slavery lecturer and newspaper publisher.

The Student Foundation for the Performing Arts is sponsoring the event to help mark the advent of Black History Month in February.

Mr. Pace, a Texan, has been performing the show throughout the nation. He is a former artist-in-residence for San Antonio and helped establish the Austin, Texas, Afro-American Players, Inc.

Frederick Douglass, the show's focus, was born a slave in Maryland in 1817. He

became a passionate advocate for the cause of human rights and published his own newspaper. In later years he was chief U.S. Marshall of the District of Columbia, resident minister and counsel general to the Republic of Haiti and personal advisor to Presidents Lincoln and Harrison.

Tickets are free and can be obtained at the HUB desk.

Sculptor's works shown in Robeson Center

Sculptor, poet and educator Oliver LaGrone opened an exhibition of his work at the Paul Robeson Cultural Center in the Walnut Building last Sunday. The exhibition, which includes more than 18 pieces in bronze, marble, alabaster, wood and cast stone, will remain until Feb. 8. Mr. LaGrone will return to talk about his work on Feb. 6.

A graduate of the University of New Mexico and Howard University, the artist has studied with Carl Milles. He attended the Cranbrook Art Academy and Wayne State University. From 1970-72, Mr. LaGrone served as special assistant to the Vice President for Undergraduate Studies and was an artist-in-residence at all Penn State campuses.

At present, he is artist-in-residence at the Boas Center for Learning in the Harrisburg School District.

Women gymnasts to host British amateurs

Tickets are now on sale for the International Women's Gymnastics match, set for 2 p.m. on Sunday, Feb. 15, in the Recreation Building.

Sponsored by the University in cooperation with the British Amateur Gymnastic Association, the match will feature Penn State's 1980 National

Collegiate Championship women's team and the National Gymnastic Team of Great Britain, the top team in Western Europe.

The day's festivities will begin with a 2 p.m. concert of English and American ballads by the Penn State Symphonic Blue Band, under the direction of Dr. Ned Deihl. Also performing will be Laurie Bowers and the Touch of Blue Majorettes.

The Blue Band will also perform during the warm-ups before competitions, as well as during the closing ceremonies, which will begin at 5:30 p.m.

All seats are reserved, and persons planning to attend should purchase their tickets well in advance (at the ticket window in the Recreation Building for \$5 each). A limited number of standing-room-only tickets will be available at the door.



Joanna Sime will compete for the British women's team when it visits Penn State's National Championship women's team on Feb. 15.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m. Feb. 5, 1981. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

DIRECTOR OF COLLEGE RELATIONS, BEHREND COLLEGE. Responsible to the Dean of Behrend

College for planning, organizing and conducting comprehensive fund raising and public relations programs for the entire College, including Continuing Education, Public Information and Relations, Gifts and Endowments, Varsity Athletics, Alumni, and four years' effective experience, or a bachelor's degree with four to five years of effective experience. Degree must be in appropriate field of study, and effective experience should be in written or oral communications, public relations and fund raising.

ADMINISTRATIVE MANAGER, COLLEGE OF MEDICINE, HERSCHEY. Responsible to the Associate Hospital Director for managerial planning, organization, staffing, direction and controlling of the Diagnostic Radiology, Nuclear Medicine, Radiation Oncology, CT Scanning, Ultrasound and Endoscopy programs. Also responsible to the Department Chairperson, Radiology, for technical planning, organizing, staffing, direction and controlling of the Diagnostic Radiology, Nuclear Medicine, Radiation Oncology, CT Scanning, Ultrasound and Endoscopy programs. A bachelor of science degree with ARRT registry required, plus four to six years of effective experience as a staff radiologic technician, two years in a managerial capacity. Master's degree preferred.

EMPLOYMENT SPECIALIST — OFFICE OF PERSONNEL ADMINISTRATION, University Park. Duties include recruitment, interviewing and placement of applicants with a wide variety of backgrounds and experience. Assist in filling job vacancies through internal programs of promotion. Assist in determining salaries. Provide information regarding employment policies, procedures and regulations to applicants, employees and supervisors. Prepare reports and records reflecting the activity of the Division. Involves interaction with many levels of administrative, academic and professional staff members. Bachelor's degree, or equivalent, preferably in Personnel Administration or related fields, plus a minimum of two years of related administrative experience.

Penn State Intercom

FAC presents faculty views to President

On President Oswald's 1981 appointment calendar, only a few regularly scheduled meetings have been blocked out a year in advance.

The list contains no surprises — the Trustees, Senate, the Advisory Policy Council (APAC), President's Staff and the Commonwealth Campus Directors. One monthly entry, however, may be slightly less familiar to faculty members — "FAC," the Faculty Advisory Committee to the President.

"The President arranges his schedule around FAC meetings," says Senate Chairman George W. Franz. "We get together the second Tuesday of each month — including summers — from 1:30 to 5 p.m. During the three years I've been on FAC, only one meeting has been cancelled. That was in August, and because a budget crisis arose, the President called us in anyway."

FAC was created as a direct result of the May 1974 report prepared by the Committee on Faculty Participation in University Governance.

Its role is defined under the *Standing Rules of the Senate* as "an instrumental body to the Senate without legislative authority. It shall represent the Senate and thus the faculty at large as an advisory and consultative body to the President of the University. It shall provide advice and consultation to the President on matters of general concern to the faculty pertaining to the welfare and effectiveness of the University."

Members include the chairman, chairman-elect and immediate past-chairman of the Senate, the secretary of the Senate and three elected faculty members chosen for three-year staggered terms. At least one member of the Committee must always be from a location other than the University Park. The Provost of the University also attends the meetings.

"The President confers with me on an agenda a week before each scheduled meeting," Dr. Franz notes. "I bring in a number of suggestions from the Senate as well as from individual faculty members. Most of FAC's concerns are with the broad, institutional policies that affect the functioning and running of the University. We tend not to discuss the specific



Current FAC members are, standing, from left: Richard L. McCarl, John J. Cahir, Nancy M. Tischler, Irwin E. Feller, M. Frank Mallette and George J. McMurtry. Seated: Provost Eddy, President Oswald and George Franz.

academic implications of policies.

"Strictly speaking, all of our discussions are confidential, and information about them can be released only at the discretion of the President. Twice a year, I report to the Senate on the topics FAC has discussed. At our Feb. 3 meeting, for example, I went over the agenda for the last six months."

In general, FAC addresses three kinds of problems, according to Dr. Franz. The first is institutional policies. Under this rubric fall such items as the budget, the University's efforts in the area of private fund raising or the status of administrative searches.

"Our second function I would categorize as general brainstorming," Dr. Franz continues. "We'll select a topic — perhaps how the University should go about keeping its top professors. While there is often no immediate end result, we may come up with ideas for further implementation."

"In the third category are the kind of nitty gritty problems that irritate faculty members and which sometimes cannot be solved at a lower administrative level. One example that comes to mind was the question of classroom light-timers. In this instance, Dr. Oswald actually went over to a classroom — and found himself sitting in

the dark when the light went out in mid-lecture. The problem was corrected."

While the phrase, "full and frank discussion," is often used by diplomats to mask the outcome of unsuccessful negotiations, in the case of FAC, it is an accurate representation of what occurs.

"I don't think any of us hold back in our meetings," Dr. Franz says. "The President knows how we feel and vice versa. He has been very frank with us when he perceives a problem, and we respond in kind. He may not always agree with us, but he listens to what we say."

"In fact, on a number of occasions, input from FAC members has caused Dr. Oswald to change his mind. There have been other times when he has convinced us that we were wrong."

While it is not possible for each academic unit to be represented directly on FAC and still maintain the group's viability as a forum for discussion, Dr. Franz says that throughout his three years as a member, he has seen very little "turf consciousness."

"In our discussions with the President, we try to provide him with what we perceive as the faculty point of view to help him in reaching decisions," Dr. Franz continues. "But we never take a vote on

(Continued on page 4)

Four panels for Scholar's Medal appointed

President Oswald has appointed 20 faculty members to serve on four selection panels for the Faculty Scholar Medal.

The creation of this new form of recognition for outstanding scholarly achievement was announced by Dr. Oswald last September. Panels were named for the areas of arts and humanities, life and health sciences, physical sciences and engineering, and social and behavioral sciences.

The selection panel for the arts and humanities will be under the chairmanship of Robert W. Carrubba, professor of classics. Other members are Paul Axt, professor of mathematics; Frederick R. Matson, professor emeritus of archaeology; Peep Rebane, associate professor of history at Ogontz; and Henry W. Sams, professor emeritus of English.

Howard E. Morgan, Evan Pugh professor of physiology, will chair the panel for the life and health sciences area. Other members are Elsworth R. Buskirk, director of the Human Performance Laboratory and professor of applied physiology; Edward C. Buss, professor of poultry science; Thomas Smyth Jr., professor of entomology; and G.K. Strother, professor of biophysics.

The panel for the physical sciences and engineering area will be chaired by Alfred K. Blackadar, professor and head of meteorology. Serving with him will be Stephen J. Benkovic, Evan Pugh professor of chemistry; Edward H. Kleivas, professor of nuclear engineering and research dean, College of Engineering; Arthur J. Marsicano, associate professor of engineering at Schuylkill; and Philip L. Walker, Evan Pugh professor of materials science.

Carol A. Cartwright, professor of education, will chair the panel for the social and behavioral sciences. Other members are Roy C. Buck, professor of sociology and social science; Peirce F. Lewis, professor of geography; John D. Martz, professor and head of political

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News in Brief

Miami journalist, former HEW secretary to speak

Former Secretary of Health, Education and Welfare Joseph A. Califano will discuss the aging of the American city at 8:15 p.m. on Thursday, Feb. 12, in Eisenhower Auditorium.

Mr. Califano's appearance is being sponsored by Colloquy as part of its Urban America series.

Another speaker in this series will be journalist Richard Morin of the *Miami Herald*. He will discuss "Unrest in the Cities" at 8 p.m. on Monday, Feb. 9, in Shwab Auditorium. Mr. Morin covered the racial riots in Miami last summer.

Mr. Califano's government service began in 1961 when he was named a special assistant to the general counsel of the Department of Defense. A lawyer, he

also served as general counsel to the Department of the Army and as a special assistant to the Secretary of Defense before being named a special assistant to President Johnson from 1965 to 1969.

His tenure as HEW Secretary under President Carter lasted from 1977 to 1979. He is now a Washington, D.C., attorney.

Fabled king is lecture topic

"Darius the Great" is the subject of a lecture to be presented by Tom B. Jones, Regent's Professor of History at the University of Minnesota, at 8 p.m. on Monday, Feb. 9, in Room 112 Kern Graduate Building.

Dr. Jones will survey the achievements of the Persian King (c. 522-486 B.C.) and the brilliance of Achaemenid civilization. He will also examine the Persian view of the great conflict between Greece and Persia, describe new evidence for the beginnings of Persian coinage, and discuss

the historical significance of the early Achaemenid cuneiform inscriptions of Darius and Xerxes.

Noted historian to visit

Rowland T. Berthoff, William Eliot Smith professor of history at Washington University, will visit University Park Feb. 9-11.

In addition to time spent with students from the History Honors and University Scholars programs, Dr. Berthoff will present two public lectures. He will discuss the "Berthoff Thesis for 19th and 20th Century America" from 10 a.m. to noon on Tuesday, Feb. 10, in Room 712 Liberal Arts Tower. Later that afternoon, at 3 p.m., he will talk about "Republican Liberty and Peasant Equality in American History" in Room 305 HUB.

A Harvard Ph.D., Dr. Berthoff is prominent among the new school of

(Continued on page 4)

1981-82 Leaves of Absence

College of Agriculture

Richard H. Fox, associate professor of soil science, to work with Dr. David Jenkinson at the Rothamsted Experiment Station in Harpenden, England, to produce a practical computer-based system that can be used for predicting nitrogen requirements for individual fields.

Byron H. Gintner, associate county agent (Huntingdon County), to work toward a master's degree in Agricultural Education at Penn State.

Robert E. Leiby, assistant county agent (Lehigh County), to work toward a master's degree in Agricultural Education at Penn State.

J. Patrick Madden, professor of agricultural economics, to produce a report containing a comprehensive model of the agricultural research and extension components of the survival and prosperity of small to moderate scale family farms. He plans to visit land-grant universities throughout the country and meet with groups of small farm operators.

Stanley P. Pennypacker, associate professor of plant pathology, to do research in the Department of Plant Pathology at Montana State University to develop new research procedures, methods and models to quantitatively estimate crop losses.

C. Marshall Ritter, professor of pomology and Extension specialist in pomology, to work in the Department of Pomology and Viticulture at Cornell University's Agricultural Experiment Station in Geneva, N.Y., investigating new varieties of fruit and rootstocks.

Alletta M. Schaller, Extension agent/county Extension (Lebanon County), to work toward an M.A. in Speech Communication at Penn State, with an emphasis on telecommunication and mass media.

James E. Van Horn, associate professor of rural sociology, to travel throughout the United States to study the effects on the rural family of the current migration to rural areas.

James E. Welshans, associate Extension agent (Clearfield County), to work toward a master's degree in Extension Education at Penn State.

College of Arts and Architecture

Anthony M. Battaglia, associate professor of landscape architecture, to investigate a series of contrasting natural and cultural landscapes to determine what effect landscape has had and is having on emerging, settlement design form.

Kenneth R. Beitell, professor of art education, for research in, and production of, large scale decorated stoneware and porcelain jugs and plates, and the completion of the draft of a projected book, *The Art of Qualitative Thinking*.

Donald E. Hopkins, associate professor of music, to undertake a background study of the history of string music in New Zealand and to investigate music written for strings by New Zealand composers.

Helen A. Manfull, associate professor of theatre arts, to explore the possibility of a study abroad program at Penn State in the areas of children's theatre and educational drama by touring England and selectively visiting the colleges, drama centers, schools and children's theatres that are accomplishing the most outstanding work in educational drama in the world today.

D. Douglas Miller, associate professor of music, for research in choral music. The research would focus on the observation/study of respected conductors (orchestral and choral) in rehearsal, concert, and recorded situations, and an in-depth repertoire study of late 16th and early 17th century English choral music.

Stephen Porter, associate professor of art, to continue work in the development of a series of sculptures that technically involve the combination of polished metal surface materials with rougher or more natural materials such as wood, bronze, steel, or stone.

Brent G. Wilson, professor of art education, for a cross-cultural investigation of ways in which children use their drawings to construct models of reality. The study would take place in Egypt to investigate variables such as parental encouragement, environmental conditions, school art instruction, etc., that may determine how children use narrative drawings to invent world models, and to determine the particular collective world view presented in drawings of Egyptian children in relation to American children.

The Behrend College

Archie K. Loss, head, Arts and Humanities Studies, associate professor of English, to complete a book on Joyce and modern painting, and the research for a book-length manuscript on Noel Coward.

Charles Reden, associate professor of political science, to investigate the relationship between the American ideal of equality and the processes of constitutional change.

College of Business Administration

Jerry C. Olson, associate professor of marketing, to investigate advertising research methods and to explore the area of product hazards — i.e., the risks associated with consumer products and the effects on consumers of warnings about such hazards.

Arnold F. Shapiro, associate professor of business administration, to develop a comprehensive pension cost project model.

The Capitol Campus

Bernard H. Bissinger, professor of mathematics, to study inventory control models used by the Naval Supply System during the past 20 years. Professor Bissinger will also complete a book on modern statistical concepts and techniques for estimating depreciation of physical property.

Sabir H. Dahir, professor of engineering, to continue teaching, research and curriculum development in transportation engineering at the University of Jordan, Amman. Dr. Dahir will conduct research on the seasonal skid resistance variations of public highways in Jordan.

Jacob DeRooy, associate professor of managerial economics, to develop and write a text in managerial economics for use at the upper-division and graduate level.

James R. Hudson, associate professor of sociology and social science, to continue research on urban growth and development. Professor Hudson will complete his study of the conversion of manufacturing space to residential use in New York City's central business district.

Kenneth W. Masters, professor of social science, for research on the information systems utilized by major units of the Pennsylvania state government. Dr. Masters will study the organization of statistical information systems and the requirements for statistical information at various levels.

Commonwealth Campuses

Jerome M. Curry, assistant professor of English at Mont Alto, to complete the final four (of 15) chapters of *A Technical Writing Workbook* to be published by St. Martin's Press, and to begin preparation of the accompanying instructor's manual.

Sukhjit Singh, associate professor of mathematics at Altoona, to study the interaction between the theory of shape and dynamical systems in topology at the University of California at Berkeley.

David P. Wooldridge, professor of biology at Ogonit, to study the taxonomy of a new genus of beetles at the National Museum of Natural History of the Smithsonian Institution.

College of Earth and Mineral Sciences

Hiroshi Ohmoto, professor of geochemistry, to examine the genesis of European deposits of metallic ores to complement his studies on ore deposits elsewhere in the world. The goal is prediction of the location of new ore deposits.

Howard W. Pickering, professor of metallurgy, to work with Japanese scientists on specialized facilities used to determine the properties of metal surfaces to improve our knowledge of how to prevent corrosion by altering surfaces or through metallurgical processes.

William A. Vogely, professor and head of mineral economics, to investigate national nonfuel mineral policies as a part of devising a plan to assure supplies of minerals for the U.S. economy in the future.

Barry Voight, professor of geology, to study the dynamics of the processes associated with the volcanic activity of Mt. St. Helens and the active fault regions of the west coast through field work and association with scientists working in the area.

College of Education

Mary M. Dupuis, associate professor of education, to pursue further study in psycholinguistics and reading at the Ontario Institute for Studies in Education and to examine the field center operations of OISE.

Victor L. Dupuis, professor of education, to renew and update expertise in curriculum theory and development at the Ontario Institute for Studies in Education. Dr. Dupuis will also study R&D activities generated in curriculum through the institute's satellite centers.

Dennis M. Roberts, associate professor of educational psychology, to upgrade his measurement knowledge and to develop instructional materials and modules. Dr. Roberts proposes to study with and seek the consultation of the Director of the Evaluation Centre at the Ontario Institute for Studies in Education and the chief psychometrician of a professional society.

John M. Shernick, associate professor of industrial arts education, to study policies, issues and funding strategies for vocational education on the national level by working directly with the Executive Director of the American Vocational Association of Washington, D.C.

John D. Swisher, professor of education, to examine the knowledge and research base of humanistic approaches to education as he develops a position paper working with personnel at the National Humanistic Education Center of the Sagamore Institute in Saratoga Springs, N.Y.

College of Engineering

Thomas B. Daviny, associate professor of civil engineering, to continue involvement in the design and construction of a major engineering project — an international airport in the Republic of South Africa.

Kenneth K. Kuo, professor of mechanical engineering, to study at the Ballistic Research Laboratory (BRL), Aberdeen, Md., to provide advice in basic research on complex combustion problems of solid propellants. Two series of seminars in the field of combustion will be conducted by Dr. Kuo, under sponsorship of the Ballistic Institute.

College of Health, Physical Education and Recreation

Geoffrey C. Godbey, professor of recreation and parks, to conduct a cross-cultural study in the United States and England on the role of urban parks in the lives of elderly people.

Daniel M. Landers, professor of physical education, for research with Dr. Ronald Smith, professor of psychology at the University of Washington, on anxiety management. Research results will be tested with elite athletes at the U.S. Olympic Training Center at Colorado Springs during the Summer of 1981.

John A. Lucas, professor of physical education, to travel to Europe to research information on the modern Olympics.

College of Human Development

Steven J. Darnish, professor of human development, to work toward developing a framework for studying the relationship between directed physical activity, goal setting, and physical and mental health, and the design of strategies to promote optimal health based on this framework.

David F. Hultsch, professor of human development, to visit several major programs that focus on life event research in order to study coping strategies during adulthood and late life.

Joe A. Miller, associate professor of community development, for research on community adjustments to worker displacements caused by plant shutdowns and other economic disinvestments resulting in substantial cutbacks in local employment.

Sara C. Parks, associate professor of dietetics, to develop the tools and content to augment FSMA 412, to develop a modeling and forecasting component for the FSMA curriculum, and to identify research opportunities for the graduate program which is currently under development. Professor Parks will study future trends, modeling in general, and forecasting in depth.

Intercollege Research Programs

Geoffrey L. Wilson, associate professor of engineering research, ARL, to study methods of measurement of the elastic properties of polymeric materials and participate in a systematic program of measurement on material of interest to industry and to the French and U.S. Navies. Dr. Wilson will study at the Applied Viscoelasticity Laboratory, National Institute of Applied Science, University of Lyon, France.

College of the Liberal Arts

John Balaban, associate professor of English, to continue creative writing projects in fiction and in poetry.

Richard L. Garner, associate professor of history, for research in Mexico and Spain on a book, *Mexico's 18th Century (Colonial) Economy: An Interpretation*. The study will focus on trade between Mexico and Spain, the development of agriculture and industry in Mexico and government policy respecting these activities. A major purpose will be to clarify the link between Mexico's colonial and contemporary economic systems.

Arthur E. Goldschmidt, associate professor of history, for research in Egypt on the development of Egyptian nationalism from the late 18th century to the present, combining a general overview and historical trends with specific biographical sketches of the major individuals involved. The biographical information will become part of a second work, a biographical dictionary of modern Egypt.

H. Eugene Goodwin, professor of journalism, to conduct research in ethics as applied to news business in the United States.

Carl R. Hausman, professor and head of philosophy, to study the relation of metaphorical expressions to creativity and to the ways we interpret works of art. The thesis about metaphors that will be related to creativity and art will concentrate on how good metaphors express insights through the very special (as well as interesting) ways they bring words together.

Philip A. Klein, professor of economics, for analysis of the time pattern of business cycles.

Stanley A. Kochanek, professor of political science, to study government decision-making in India with regard to the allocation of economic resources in the society. Individual case studies will focus especially on three major areas of industrial regulatory policy — industrial licensing, monopoly control and regulation of foreign investment.

Joseph W. Michels, professor of anthropology, to prepare a book-length manuscript concerning his archaeological research in northern Ethiopia focusing on the origin and development of the Aksumite Kingdom, one of the earliest indigenous civilizations of Africa.

Jon P. Nelson, professor of economics, to investigate whether the cost advantage enjoyed by multi-plant firms compared to single plant firms stems from their internal efficiency or from their greater bargaining power with suppliers. If the latter is true, the justification for high levels of concentration of the production of an industry in a relatively small number of firms is seriously diminished, with obvious implications for anti-trust policy.

Gerald M. Phillips, professor of speech communication, to interview couples with various life-styles to discover how communication is used to plan and to resolve conflicts among married and cohabiting adults and to interview counselors and psychiatrists for expert opinion on these issues.

Carolyn W. Sherif, professor of psychology, to develop applications of the principles of social psychology, including completing a new edition of her textbook and redesigning graduate and undergraduate courses.

Donald L. Smith, associate professor of journalism, to complete research on Zecheriah Chafee Jr., a Harvard law professor and the nation's first important scholar of free speech, for the writing of a biography.

Eloise C. Snyder, professor of sociology, to study how sex role stereotypes affect research and treatment in alcohol abuse.

Darrell J. Steffenmeier, associate professor of sociology, to complete research on the organization of crime and its relationships to the "legitimate" business world.

(Continued on page 3)

University Park Calendar

Feb. 5 – 15

Special Events

Thursday, Feb. 5

Penn State Invitational Film Festival, noon, Room 112 Kern.
Sigma Xi meeting, 3:30 p.m., Colonial Room, Nittany Lion Inn, H. Arnold Miller, Pa. Sec'y of Health, speaker.
Dr. Charles Dillman, sports medicine coordinator, U.S. Ski Team, and director, Biomechanics Lab, Univ. of Illinois, discusses the sports medicine program of U.S. Ski Team, 7:30 p.m., Room 112 Kern.
Cinequest, *Rennais, Le Gurnee est Fini*, 7 and 9:30 p.m., HUB Assembly Hall.
German Dept. lecture, 8 p.m., Room 124.
Sparke, Elfi Schneidebach, Univ. of Jena, GDR, on "Die Lage der Frauen in der DDR: Widerspiegelung von Emanzipationsproblemen in Maxie Wanders *Guten Morgen, da Stine*," 8 p.m., Room 112 Kern.
URTC, William Shakespeare, *Macbeth*, 8 p.m., The Playhouse.

Friday, Feb. 6

Sports: basketball (women), Coca-Cola Lady Lion Classic, through Saturday; ice hockey vs. Duquesne Univ., 9:30 p.m.
Penn State Invitational Film Festival, noon, Room 112 Kern.
Commonsplace Theatre, *Obsession*, 7 p.m.; *Alice Doesn't Live Here Anymore*, 9 p.m., Room 112 Kern. Also Feb. 8.
URTC, *Macbeth*, 8 p.m., The Playhouse.
Artists Series, Concord String Quartet, 8:30 p.m., Schwab Auditorium.

Saturday, Feb. 7

Shaver's Creek Nature Center, training session for volunteers on maple sugaring, 9 a.m. – 4 p.m., Stone Valley. Info: 865-1851.
Sports: basketball (men) vs. Navy, 2:10 p.m.; ice hockey vs. Univ. of Pittsburgh, 8:30 p.m.
URTC, *Macbeth*, 8 p.m., The Playhouse.
Penn State Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sunday, Feb. 8

University Chapel Service, 11 a.m., Eisenhower Chapel. Thomas E. Sherry, Church of Jesus Christ of Latter Day Saints, State College, speaker.
Shaver's Creek Nature Center, "Introduction to Back Yard Beekeeping," 1-4 p.m., Stone Valley.

Monday, Feb. 9

Archaeological Institute of America slide lecture, 8 p.m., Room 112 Kern. Tom B. Jones, Univ. of Minnesota, on "Darius the Great."
Colloquy lecture, 8 p.m., Schwab Auditorium.
Richard Morn, journalist for *The Miami Herald*, on "Unrest in the Cities."

Tuesday, Feb. 10

IHS/History Dept. lectures: Rowland T. Berthoff, Washington University, on "Berthoff Thesis for 19th, 20th Century America," 10 a.m., Room 712 Liberal Arts Tower; and on "Republican Liberty and Peasant Equality in American History," 3 p.m., Room 305 HUB.
Comp. Lit. Luncheon, 12:15; talk, 1 p.m., Room 104 HUB. Paul West, English, on "The Tiger in the Music Room, The Mollusk in the Zoo."
URTC, *Macbeth*, 8 p.m., The Playhouse.

Wednesday, Feb. 11

Last day to sign Winter Term NDSL and University Long Term Loans, Room 108 Shields.
Comp. Lit. Film Series, *Effi Briest*, 6:30 and 8:45 p.m., Room 112 Kern.
URTC, *Macbeth*, 8 p.m., The Playhouse.
Yachad lecture, 8 p.m., Room 60 Willard.
Emanuel Lottien, consul for academic affairs, Consulate General of Israel, on "Israel and the Third World."
Students Composers' Concert, 8:30 p.m., Music Bldg. Rectal Hall.

Thursday, Feb. 12

Late drop deadline, 11 a.m., Room 112 Kern.
Cinequest, *Bridges, The Paper Chase*, 7 and 9:15 p.m., HUB Assembly Hall. Also Feb. 13.
Robeson Center Gallery Talk, 7:30 p.m., Walnut Bldg. Oliver LaGrone discusses his works.
URTC, *Macbeth*, 8 p.m., The Playhouse.
Colloquy lecture, 8:15 p.m., Eisenhower Auditorium. Joseph A. Califano, Jr., former Secretary of Health, Education and Welfare, on "The Aging of the American City."

Friday, Feb. 13

STS/CD, luncheon, noon; talk, 12:20 p.m., Room 101 Kern. Warren S. Smith, general education in the arts, emeritus, on "Art and



Professor Rowland Berthoff

Non-Art in the Age of Technology: An Overview."

Faculty Women's Club Pot Luck Supper, 6:30 p.m., Walnut Bldg. Reservations by Feb. 6.

Info: Jane Ziegler 237-7931.

Commonsplace Theatre, *The Wild One*, 7 p.m.; *A Streetcar Named Desire*, 9 p.m., Room 112 Kern. Also Feb. 15.

Eco Action doc. films, "I.F. Stone's Weekly," and "The Pitcairn People," 7 and 9 p.m., Room 102 Folsom. Also Feb. 14, 15.

CSA film, *The Ruling Class*, 7 and 9 p.m., Room 112 Chambers. Also Feb. 14.

Ballroom Dance Club/Hetzel Union Board, "In the Mood . . . to Dance," Phi Mu Alpha Jazz Band with their "Big Band" sound, 8 p.m., HUB Ballroom.

Sports: gymnastics (men) vs. Temple and (women) vs. Utah State, 8 p.m.; ice hockey vs. Buffalo State, 9:30 p.m.

URTC, *Macbeth*, 8 p.m., The Playhouse.
Artists Series, *The Intimate P.D.Q. Bach*, 8:30 p.m., Eisenhower Auditorium.

Saturday, Feb. 14

Sports: rifle, Collegiate Sectionals, 8 a.m., through Sunday; swimming and diving (women) vs. Princeton, 1 p.m. and (men) vs. Syracuse, 4:30 p.m.; ice hockey vs. Drexel Univ., 3:30 p.m.; basketball (men) vs. Drexel, 8:10 p.m.

Artists Series, *The Lovelace Theatre Company, Jack and the Beanstalk*, 10:30 a.m. and 2:30 p.m., Schwab Auditorium.

France-Cinema, Young, *Alambrista*, 7 and 9 p.m., Room 112 Kern.

URTC, *Macbeth*, 8 p.m., The Playhouse.

Sunday, Feb. 15

University Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Donald Crider, rural sociology, speaker.

Shaver's Creek Nature Center, family film festival and toymaking workshop 1-4 p.m., Stone Valley. Info: 865-1851.

Sports: gymnastics (women) vs. British National Team, 2 p.m.; ice hockey vs. Villanova, 3:30 p.m.

Seminars

Thursday, Feb. 5

Fuel Science, James E. Peters, Purdue Univ., on "An Ignition Model for Gas Turbine Engines," 2 p.m., Room 301 Steidle (new listing).

Man-Environment Relations, Luis H. Summers, architectural engineering, on "User Oriented Operational Games," 3:45 p.m., Room 5-131 Henderson (new listing).

Mathematics, Shmuel Kantorowitz, Bar-Ilan Univ., Israel, on "On Spectral Representations of Operators," 4 p.m., Room 102 McAllister (new listing).

Linguistics, E. Woolford, MIT, on "Interaction of Grammars in Bilingual Code Switching," 7:30 p.m., Room 365 Willard (new listing).

Friday, Feb. 6

Analytical Chemistry, Kevin Corby, grad student, on "Electron Transfer at Semiconductor Electrodes and Photovaltaic Cell Development," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Richard Lundgard, grad student, on "Pyrolysis of Vinylacetylene," 2:30 p.m., Room 333 Whitmore.

Geosciences, W. Jason Morgan, Princeton Univ., on "Hot Spot Tracks on Continents and Unconformities," 3:45 p.m., Room 262 Willard.

Monday, Feb. 9

MC3B, Palmer Rogers, Univ. of Minnesota and U.S. Dept. of Energy, Biological Energy Research Division on "Regulation of the *argECB* Operon of *E. coli* by Arginine and ppGpp," 4 p.m., Room 101 Althouse.

Tuesday, Feb. 10

Applied Research Lab., Diana F. McCommon, ARL, on "Acoustic Modeling: Narrow Band Ray Mode," 10:45 a.m., Walker Conference Room, Applied Science Bldg.

Biology, Les Reil, North Carolina State Univ., on "On Uncertainty and the Law of Diminishing Returns in Evolution and Behavior," 11:10 a.m., Room 8 Mueller.

Economics/Institute for Policy Research and Evaluation, Ray Morra, economics, on "Financial Regulation, Government Intervention in Credit Markets and Innovation: Micro Sources and Macro Problems," 2 p.m., Room 124 Sparks.

Water Pollution Control, Philip L. Walker, fuel science, on "Modification of Activated Carbon Surfaces to Enhance the Removal of Contaminants from Water," 2:20 p.m., Room 165 Willard.

Plant Pathology, Sharon Douglas, grad student, on "Potato Glycoalkaloids: A Generalized Mechanism of Resistance to Plant Pathogens and Insects?" 3:55 p.m., Room 213 Buckhout.

Wednesday, Feb. 11

Graduate Women in Science, Mary Mohs, grad student, nutrition, on "Moderate Zinc Deficiency and Behavioral Effects in Young Adult Male Rats," noon, Room 101A Kern.

Thursday, Feb. 12

Chemistry, Eldon Ferguson, NOAA, on "Atmospheric Ion Chemistry," 12:45 p.m., Room 333 Whitmore.

Anthropology, Stuart Marks, St. Andrews Presbyterian College, on "Separating the Men from the Boys by Going to the Dogs: A Decoding of Coon and Fox Hunting Rituals in the South," 3:30 p.m., Room 107 Carpenter.

Geosciences, Robert J. Bodnar, geosciences, on "Fluid Inclusion Geothermobarometry," 4 p.m., Room 101A Kern.

Friday, Feb. 13

Graduate Women in Science, Mary Mohs, grad student, nutrition, on "Moderate Zinc Deficiency and Behavioral Effects in Young Adult Male Rats," noon, Room 101A Kern.

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Sunday, Feb. 15

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Monday, Feb. 16

Graduate Women in Science, Mary Mohs, grad student, nutrition, on "Moderate Zinc Deficiency and Behavioral Effects in Young Adult Male Rats," noon, Room 101A Kern.

Tuesday, Feb. 17

Graduate Women in Science, Mary Mohs, grad student, nutrition, on "Moderate Zinc Deficiency and Behavioral Effects in Young Adult Male Rats," noon, Room 101A Kern.

Wednesday, Feb. 18

Graduate Women in Science, Mary Mohs, grad student, nutrition, on "Moderate Zinc Deficiency and Behavioral Effects in Young Adult Male Rats," noon, Room 101A Kern.

Thursday, Feb. 19

Graduate Women in Science, Mary Mohs, grad student, nutrition, on "Moderate Zinc Deficiency and Behavioral Effects in Young Adult Male Rats," noon, Room 101A Kern.

Friday, Feb. 20

Graduate Women in Science, Mary Mohs, grad student, nutrition, on "Moderate Zinc Deficiency and Behavioral Effects in Young Adult Male Rats," noon, Room 101A Kern.

Saturday, Feb. 21

Graduate Women in Science, Mary Mohs, grad student, nutrition, on "Moderate Zinc Deficiency and Behavioral Effects in Young Adult Male Rats," noon, Room 101A Kern.

Sunday, Feb. 22

Graduate Women in Science, Mary Mohs, grad student, nutrition, on "Moderate Zinc Deficiency and Behavioral Effects in Young Adult Male Rats," noon, Room 101A Kern.

Monday, Feb. 23

Graduate Women in Science, Mary Mohs, grad student, nutrition, on "Moderate Zinc Deficiency and Behavioral Effects in Young Adult Male Rats," noon, Room 101A Kern.

Tuesday, Feb. 24

Graduate Women in Science, Mary Mohs, grad student, nutrition, on "Moderate Zinc Deficiency and Behavioral Effects in Young Adult Male Rats," noon, Room 101A Kern.

Wednesday, Feb. 25

Graduate Women in Science, Mary Mohs, grad student, nutrition, on "Moderate Zinc Deficiency and Behavioral Effects in Young Adult Male Rats," noon, Room 101A Kern.

Thursday, Feb. 26

Graduate Women in Science, Mary Mohs, grad student, nutrition, on "Moderate Zinc Deficiency and Behavioral Effects in Young Adult Male Rats," noon, Room 101A Kern.

Friday, Feb. 27

Graduate Women in Science, Mary Mohs, grad student, nutrition, on "Moderate Zinc Deficiency and Behavioral Effects in Young Adult Male Rats," noon, Room 101A Kern.

Saturday, Feb. 28

Graduate Women in Science, Mary Mohs, grad student, nutrition, on "Moderate Zinc Deficiency and Behavioral Effects in Young Adult Male Rats," noon, Room 101A Kern.

Sunday, Feb. 29

Graduate Women in Science, Mary Mohs, grad student, nutrition, on "Moderate Zinc Deficiency and Behavioral Effects in Young Adult Male Rats," noon, Room 101A Kern.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Principles, Problems and Possibilities," 3:45 p.m., Room 22 Deike.

Physics, Michael Schluter, Bell Labs, Murray Hill, on "Vacancies in Covalent Semiconductors: An Example of Anderson Negative-U Centers," 3:50 p.m., Room 445 Davey.

Acoustics, John M. Seiner, NASA, Langley Research Center, on "Aeroacoustics of Shock-Containing Supersonic Jets," 4 p.m., Room 73 Willard.

Mathematics, Walter Strauss, Brown Univ., on "The Yang-Mills Equations in Minkowski Space," 4 p.m., Room 102 McAllister.

Friday, Feb. 13

Analytical Chemistry, Stephen Ankrand, grad. assistant, on "Determination of Several Inorganic Sulfur Species by Differential Pulse Voltammetry," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Peter Monson, chemistry, on "Some Recent Developments in the Theory of Monolayer Adsorption," 2:30 p.m., Room 333 Whitmore.

Saturday, Feb. 14

Analytical Chemistry, Stephen Ankrand, grad. assistant, on "Determination of Several Inorganic Sulfur Species by Differential Pulse Voltammetry," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Peter Monson, chemistry, on "Some Recent Developments in the Theory of Monolayer Adsorption," 2:30 p.m., Room 333 Whitmore.

Sunday, Feb. 15

Analytical Chemistry, Stephen Ankrand, grad. assistant, on "Determination of Several Inorganic Sulfur Species by Differential Pulse Voltammetry," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Peter Monson, chemistry, on "Some Recent Developments in the Theory of Monolayer Adsorption," 2:30 p.m., Room 333 Whitmore.

Monday, Feb. 16

Analytical Chemistry, Stephen Ankrand, grad. assistant, on "Determination of Several Inorganic Sulfur Species by Differential Pulse Voltammetry," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Peter Monson, chemistry, on "Some Recent Developments in the Theory of Monolayer Adsorption," 2:30 p.m., Room 333 Whitmore.

Tuesday, Feb. 17

Analytical Chemistry, Stephen Ankrand, grad. assistant, on "Determination of Several Inorganic Sulfur Species by Differential Pulse Voltammetry," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Peter Monson, chemistry, on "Some Recent Developments in the Theory of Monolayer Adsorption," 2:30 p.m., Room 333 Whitmore.

Wednesday, Feb. 18

Analytical Chemistry, Stephen Ankrand, grad. assistant, on "Determination of Several Inorganic Sulfur Species by Differential Pulse Voltammetry," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Peter Monson, chemistry, on "Some Recent Developments in the Theory of Monolayer Adsorption," 2:30 p.m., Room 333 Whitmore.

Thursday, Feb. 19

Analytical Chemistry, Stephen Ankrand, grad. assistant, on "Determination of Several Inorganic Sulfur Species by Differential Pulse Voltammetry," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Peter Monson, chemistry, on "Some Recent Developments in the Theory of Monolayer Adsorption," 2:30 p.m., Room 333 Whitmore.

Friday, Feb. 20

Analytical Chemistry, Stephen Ankrand, grad. assistant, on "Determination of Several Inorganic Sulfur Species by Differential Pulse Voltammetry," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Peter Monson, chemistry, on "Some Recent Developments in the Theory of Monolayer Adsorption," 2:30 p.m., Room 333 Whitmore.

Saturday, Feb. 21

Analytical Chemistry, Stephen Ankrand, grad. assistant, on "Determination of Several Inorganic Sulfur Species by Differential Pulse Voltammetry," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Peter Monson, chemistry, on "Some Recent Developments in the Theory of Monolayer Adsorption," 2:30 p.m., Room 333 Whitmore.

Sunday, Feb. 22

Analytical Chemistry, Stephen Ankrand, grad. assistant, on "Determination of Several Inorganic Sulfur Species by Differential Pulse Voltammetry," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Peter Monson, chemistry, on "Some Recent Developments in the Theory of Monolayer Adsorption," 2:30 p.m., Room 333 Whitmore.

Monday, Feb. 23

Analytical Chemistry, Stephen Ankrand, grad. assistant, on "Determination of Several Inorganic Sulfur Species by Differential Pulse Voltammetry," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Peter Monson, chemistry, on "Some Recent Developments in the Theory of Monolayer Adsorption," 2:30 p.m., Room 333 Whitmore.

Tuesday, Feb. 24

Analytical Chemistry, Stephen Ankrand, grad. assistant, on "Determination of Several Inorganic Sulfur Species by Differential Pulse Voltammetry," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Peter Monson, chemistry, on "Some Recent Developments in the Theory of Monolayer Adsorption," 2:30 p.m., Room 333 Whitmore.

Wednesday, Feb. 25

Analytical Chemistry, Stephen Ankrand, grad. assistant, on "Determination of Several Inorganic Sulfur Species by Differential Pulse Voltammetry," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Peter Monson, chemistry, on "Some Recent Developments in the Theory of Monolayer Adsorption," 2:30 p.m., Room 333 Whitmore.

Thursday, Feb. 26

Analytical Chemistry, Stephen Ankrand, grad. assistant, on "Determination of Several Inorganic Sulfur Species by Differential Pulse Voltammetry," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Peter Monson, chemistry, on "Some Recent Developments in the Theory of Monolayer Adsorption," 2:30 p.m., Room 333 Whitmore.

Friday, Feb. 27

Analytical Chemistry, Stephen Ankrand, grad. assistant, on "Determination of Several Inorganic Sulfur Species by Differential Pulse Voltammetry," 11:10 a.m., Room 333 Whitmore.

Penn Staters

Dr. Charles L. Hosler Jr., professor of meteorology and dean of the College of Earth and Mineral Sciences, has received the 1981 Charles Franklin Brooks Award for Outstanding Service to the American Meteorological Society. Dr. Hosler's many years of service to the society culminated in his being elected its national president in 1976.

Dr. Juan Fernandez-Jimenez, assistant professor of Spanish at The Behrend College, was invited to give two lectures at the Instituto de Enseñanza Media "Tartessos" of Camas, Seville, in January. The first lecture was about "Pedro de Medina, escritor y cosmógrafo andaluz del siglo XVI (vida y obra)" and the second, "Genesis y evolución de la novela sentimental española."

Deborah White, an oncology research nurse at Hershey, is a contributor to a new textbook, *Cancer Nursing*, published by C.V. Mosby Publishing Company. Her contribution was in the area of immunotherapy.

25-year chair

Esther U. Strause, secretary in the Psychology Department, was "totally surprised" by her department's unannounced ceremony in honor of her 25 years of University service.

"I couldn't believe it—they even invited my husband and my old colleagues and friends from around campus," she says of the Jan. 23 affair.

Joining her husband Ed—a German teacher at State College High and a 1957 University graduate—in the surprise were a dozen of Mrs. Strause's old co-workers and friends, as well as the department's current faculty and staff members.

Mrs. Strause, who has been with the Psychology Department for her entire 25-year tenure notes her favorite hobby is cooking for her Creative Cooking Class, a State College group devoted to devising new dishes.

Mentioning that she especially enjoys preparing natural-foods dishes—her last creation was a barley salad—Mrs. Strause observes that among her other interests are gardening, sewing, and hiking.

Partings

Dr. Guy E. Rindone has retired with the rank of professor emeritus of ceramic science and engineering after serving more than 33 years on the faculty.

He is, however, continuing his research in glass science, working with University students and faculty members, and expanding his work with the National Aeronautics and Space Administration. He is also organizing the Sixth Conference on Glass Science, which will be held at Penn State next summer, and a symposium on materials processing in space to be held in Boston next fall, as well as continuing his consulting work with industry.

A graduate of Alfred University with a B.S. in glass technology, he came to Penn State in 1945, receiving his M.S. in 1946 and his Ph.D. in 1948 in ceramic science. He joined the faculty in 1949, becoming professor of ceramic science in 1968. He served as chairman of the Ceramic Science and Engineering Section in the Department of Materials Science and Engineering from 1969 to 1980.

He has taught a number of courses on ceramics and glass including "Ceramics and Glass in the Modern World," which he revised and developed until its annual enrollment grew from 20 to more than 700. He has supervised the preparation of 16 Ph.D., 20 M.S., and 75 senior theses.

His research interests have included small-angle X-ray and laser-light scattering of separated phases in glass, the internal friction of glass, solubilization of glasses, effects of glass microstructure on properties, and ceramic encapsulation of nuclear waste. He holds 10 patents, is the



Dr. Rindone

author of more than 60 articles, and the editor or co-editor of three books.

He has long been active in the American Ceramic Society, serving as one of its national vice presidents in 1977-78. In 1972-74, he was national president of Keramos, professional ceramic engineering fraternity.

For 25 years, Dr. Rindone was a member of the University Faculty Senate. He also served on the Faculty Advisory Committee and the University Budget Review Committee.

He and his wife, Rae, who is retired as a teacher in the State College Area Schools and also taught French and Spanish at the University, will continue to live in State College. Their sons, Wayne and Gary, are both Penn State graduates.

James S. Toothman, associate professor of agricultural economics extension, retired Jan. 16 with 13 years of service.

Josephine R. Harding, food preparer in the Department of Housing and Food Services, retired Jan. 17. She had been a University employee since 1970.

William D. Coughlin, golf course and ice rink assistant in the College of Health, Physical Education and Recreation, will leave the University Feb. 22 after being in its employ since 1969.

Asbury hailed for football feats

Because his mother objected, Bill Asbury didn't play football until his junior year in high school.

But the former Pittsburgh Steeler, now Affirmative Action officer and assistant to the Provost, will be inducted into the Kent State University Sports Hall of Fame on Feb. 7. Among the others who will be inducted with him is Steeler linebacker and all-pro Jack Lambert.

"My mother worried about injuries, so I didn't try out until my sophomore year in high school. And that year, I broke my leg in a pre-season scrimmage," Mr. Asbury recalls.

His luck improved the following year, when—as starting quarterback for the last three games—he brought home two victories for Cincinnati Princeton High, which previously had had 17 straight losses. As a senior under a new coach he had a very good season. His exploits bringing him a football and academic scholarship to Kent State.

"With three brothers and two sisters, I couldn't have gone to college without it. If I hadn't played football, things would have been different for me," he says.

Although he characterizes Kent State's performance on the football field as "nondescript" during the four years (1961-65) he was there, Mr. Asbury was the eighth leading rusher in the country during his senior year and the outstanding offensive player in the conference. He also won UPI honorable mention for All-American.

The Atlanta Falcons made him a fourth-round draft choice but later traded him to the Steelers, where he was a starting fullback.

Faculty Forum

The article regarding the IFS program (January 22, Vol. 10, 17) has a glaring omission which I sincerely hope you correct.

One of the primary reasons for the "national visibility" of the program is outstanding teaching and the distinguished master teacher, Professor Stella Goldberg is the recipient of the coveted national award, the Ernest Osborn Award for Excellence in Teaching Family Relations, from the National Council on Family Relations. In addition Dr. Goldberg has received the Lindback Award for Distinguished Teaching from this university.

This is not to demean other contributions that were noted but to ignore the role of competent teachers is a gross oversight in judging departmental accomplishments.

Vladimir D. Lisovsky, Ph.D.
Professor, Child Development
and Family Relations

Historian

(Continued from page 1)

American historians who are constructing a conservative interpretation of U.S. history. He argues that the liberal interpretation with its emphasis on freedom, individualism and mobility has failed to discern the instability and disorder which Americans suffered, especially in the 19th century.

In his book, *An Unsettled People, Social Order and Disorder in American History*, Dr. Berthoff elaborates on this theme, showing that in the colonial period and again in the 20th century Americans embraced a social order which stressed security and stability through family, community and government, not one in which the individual was cut adrift.

Professor Berthoff's visit is sponsored by the History Department, the Institute for the Arts and Humanistic Studies, the College of the Liberal Arts and the University Scholars Program.

"My first year with the Steelers was my best," he says.

As a rookie, he led the team in rushing and was second in scoring with nine touchdowns. He was 13th in rushing in the NFL that year.

In 1969, after playing four pre-season games, he was told he was being placed on waivers.

"I might have been able to hang around and play a little bit longer," he says. "But I was 26 years old and nearly finished with a master's degree. And I had gotten married the previous year. I decided it was time to get a real job."

Doing so meant taking a two-thirds cut in salary.

"It was a big adjustment for me," Mr. Asbury says. "But I worked for a little over a year with Sanford Rose Associates, a private executive search firm in Akron."

As a consultant there, he recruited professional employees for companies. Because it was 1969 and much of his recruiting was among minority groups, he became familiar with civil rights legislation. That background led to his next job in which he developed and administered anti-discrimination guidelines for the city of Akron.

Four years later, he was hired to administer Kent State's Affirmative Action and Equal Employment Opportunity programs, and from there he came to Penn State in 1976.

Just four years old, Kent State's Hall of Fame honors both male and female athletes from all varsity sports. Although Mr. Asbury also was on the track team at Kent State and once held the school shot put record, his citation is for football.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filing. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (ext. 100) on days 1387. Applicants for these staff vacancies will be accepted until 5 p.m. Feb. 12, 1981. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with the Fair Employment Practices (PS-11) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ADMISSIONS COUNSELOR, ADMISSIONS, CAPITOL CAMPUS. Responsible for the entire admissions process, including the counseling and interviewing of prospective students, decision making regarding the admission of students, and liaison operations with various colleges and campuses. Requires articulation of students and programs. Bachelor's degree, plus one to two years of effective experience in an academic environment.

SYSTEMS ANALYST, CONTINUING EDUCATION, UNIVERSITY PARK. The Systems Analyst should have a working knowledge of current telecommunications hardware and software as well as the techniques for using both. Assist in the development of all types of administrative support for office automation efforts. Provide guidance to the central supporting organization on telecommunications and administrative needs of the University-wide system. Identify opportunities for increasing administrative capabilities and/or lowering administrative costs. Document new procedures, develop cost statistics and accounting control procedures. Coordinate the University-wide Systems' evaluation of word and data processing capabilities. Participate in the development of new extensions to existing automated systems. Develop and review an annual plan for system-wide automation. A bachelor's degree (or equivalent) in computer science or related field, with training in basic information systems planning and design, plus two to three years of effective experience in telecommunications design and procedure. Computer procedure design and programming or systems analysis are required.

Medal

(Continued from page 1)

science; and Carolyn Sherif, professor of psychology.

The prime criterion for the medal will be scholarly or creative excellence, represented by a single contribution or a series of contributions around a coherent theme. The attainment for which the candidate is to be honored shall have occurred during the three years preceding the nomination for the award. The contribution may be original basic research in any area of science; it may represent application of knowledge in the creation of a process or device useful to society; it may be in any area of the arts and humanities. Candidates will be considered annually, but it should not be anticipated that awards will be made in all four areas every year.

FAC

(Continued from page 1)

the subject under discussion, and, on occasion, we may even express views with which we privately disagree in order to give the fullest representation to a segment of faculty opinion.

"I am personally very impressed with the faculty members with whom I've served on FAC," Dr. Frazee concludes. "They make a sincere attempt to be 'University statesmen' rather than to represent the interests of the specific college or campus in which they are based."

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Penn State Intercom

Midyear report on Faculty Senate activities offered

By George Franz, Senate Chairman
The University Faculty Senate is the only organization within the University that speaks for the entire faculty at all locations in all units. Under the governance documents of the University, the Senate's actions are authoritative on all matters that pertain to the educational interests of the University and on all educational matters that concern the faculties of more than one College. In addition, it serves in an advisory and consultative role to the President on any matter that may affect the attainment of the educational objectives of the University.

This year the Senate is composed of 172 elected faculty Senators, six ex officio members, 11 appointed by the President, and 17 students. The major work of the Senate is done through the 13 standing committees, many of which are advisory to a particular administrative area. A detailed description of the duties of each committee and its membership may be found in the red booklet entitled *Constitution, Bylaws, and Standing Rules of the University*.

Faculty Senate, which was distributed to all faculty at the beginning of the 1980-81 academic year several months ago.

It has become customary for each Senate Chairman to present a mid-year report on the activities of the Senate and its standing committees and to indicate some of the issues that they are actively considering. Should faculty wish to express an opinion on any of the matters discussed within the report, they should contact the Senators from their academic voting unit or the Senate Office.

Because of the very crucial question of a possible conversion of the calendar from a term system to a semester system, the early months of the Senate year have been spent in preparing for what was, in my opinion, a very fruitful forensic session at the November meeting on the issues that must be addressed by the faculty in a calendar conversion. As a result of that work, however, the normal activities of many of the committees have been delayed several months and we are only now beginning to receive the reports on matters that were

begun this academic year.

The Senate has approved a legislative report changing Senate Student Policies 54-58, 56-30 and brought them into compliance with federal laws governing confidentiality of student records. At the March meeting, Senators will consider a legislative report addressing some internal Senate Committee structures, abolishing the Committee on Intra-University Relations and augmenting the duties of Senate Council.

One of the more important functions of the Senate is to provide the University community with information about issues that must be addressed, and this is normally done through informational reports from the various committees. Among the more important reports the Senate has received this year are reports on the integration of the Commonwealth Campuses and Continuing Education, the role of Graduate Teaching Assistants, a Special Admissions Program for High School Juniors, the annual report on the

(Continued on page 2)

March date for budget hearings

Legislative hearings in Harrisburg on the University's 1981-82 budget request will be held Monday, March 2, in the House of Representatives and Tuesday, March 10, in the Senate.

Governor Thornburgh has recommended a \$133.7 million appropriation for Penn State, overall, about a 5.3 percent increase over the \$127 million which Penn State received last year.

The Governor's recommendation falls some \$11 million short of the \$145 million which the University had requested. It includes no additional funds for student aid, the Soil Survey and the College of Medicine.

Commenting on the recommendation, President Oswald said: "In view of the serious economic stringencies under which the state and the University must operate, Penn State is pleased to note that Governor Thornburgh has proposed an overall operating funds increase of 5.3 percent for the University for the 1981-82 fiscal year. The Governor's proposed budget, which is equitable in its treatment of the various sectors of public higher education, will be most helpful in assisting the University to cope with inflationary cost increases over which it has little or no control.

"To meet many of its other mandated needs, however, Penn State will be required to continue to reallocate funds internally and to adopt some increase in tuition for students. Until the legislature begins its consideration of the budget, it is too early to speculate on how much a tuition increase might be.

"Our hope, of course, is for the earliest possible legislative action on the Governor's budget."

8 Alumni Fellows to visit colleges

Eight Alumni Fellows will visit the University during Spring Term to meet formally and informally with students, faculty members and administrators. They are:

— Gerald W. Abrams of Los Angeles, president of Cypress Point Film Productions at Universal Studios and a 1961 graduate, College of Arts and Architecture;

— Charles L. Blockson of Norristown, Pa., an authority on and collector of African-American history and literature, College of Health, Physical Education and Recreation;

— Edward Book of Hershey, Pa., president of Hershey Entertainment and Resort Company (Herc) and a 1954 graduate, College of Human Development;

— James J. Callagher of Chapel Hill, N.C., director of the Frank Porter Graham Child Development Center and professor of education at the University of North Carolina, College of Education;

— Robert Klein of Allentown, Pa., chairman of the board and chief executive officer of Alliance-Wall Corp. and a 1948 graduate, College of Business;

— Gilbert Nurick of Harrisburg, Pa., a 1928 graduate and attorney, College of Medicine;

— John F. Speer Jr. of Washington, D.C., executive vice president of the Milk Industry Foundation and the International

(Continued on page 4)

News in Brief

Senate holds over reports

Legislative reports proposing elimination of the Committee on Intra-University Relations and changes in the Senate's *Constitution and Bylaws* were presented to Senators at their Feb. 3 meeting.

Because this legislation affects the *Constitution and Bylaws*, it must be tabled for a month before any action on it can be taken.

A status report on construction projects and Jan. 9 was presented by the Committee on Academic and Physical Planning; and a second informational report, this one on special admissions programs, was offered by the Committee on Admissions, Records and Scheduling.

Dr. Philip A. Klein, chairman of the Libraries Committee, questioned the closing of the Libraries during the Christmas break and noted that the Committee might propose legislation to avert an extended closing in the future.

Winter enrollment tops 1980 figure

Winter Term enrollment for 1981 has topped last year's figures — 52,300 resident instruction students, an increase of 1,796.

A total of 31,164 students are at University Park — an increase of 739 over 1980. The 17 Commonwealth Campuses report 16,360 students — up by 982 — and the Radnor Center for Graduate Studies has increased by 91 to 360 students.

"The continued strength of Penn State's enrollment throughout the academic year indicates that students are responsive to the University's emphasis on retention through quality programs," Dr. Robert E. Schram, vice president for undergraduate studies, says. "This excellent retention pattern is especially encouraging following the record enrollment of the 1980 Fall Term."

The final Winter Term enrollment totals show 1,659 students at The Behrend College; 2,197 at the Capitol Campus; and 900 at Hershey.

(Continued on page 4)



Man's ONLY friend at minus 20° — Mike with Blue in the sleeping bag he designed for him.

Some like it cold!

On a recent birthday, Mike Monahan decided to celebrate by doing something dramatic.

Since he happened to be in South America, he decided to climb El Misti, a 19,000 foot volcano in Peru. At about 17,000 feet, he pitched camp and spent the night in 20° temperatures and high winds. Probably not most people's idea of the perfect birthday — but Mike is a cold weather camping buff. Sleeping outside when the thermometer reads 20° isn't all that rigorous for him.

Mike, who works at WPSX as a television equipment operator, developed a yen for snow camping during a survival course he took with retired Penn State instructor Don Kepler. He likes tackling the elements, he says, because, "I have a desire to know I can handle myself in the out-of-doors, to know I can survive."

Although he's camped in exotic places like the Alps and the Andes, Mike says some of the coldest nights he's experienced were here in Centre County.

He explains: "The Barrens is a very enjoyable place to go, because it's always colder out there. On many nights the temperature is 15° to 20° lower than it is

on campus — it will sometimes go down to minus 25°. I've been out on nights so cold that when I lie in my bag and exhale, my breath freezes instantly and falls on my face like snow."

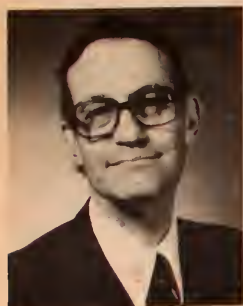
"Sometimes," he continues, "I'll just go out in the late evening, lay down my bag and go to sleep, then head out to work the next morning."

On these overnights, Mike is continually experimenting with different combinations of sleeping bags, liners and clothing, to discover what protects him best from intense cold. He often takes a thermometer with him to ascertain the effectiveness of different protective coverings at different temperatures.

Mike's formula for staying warm on arctic nights is this: He uses a 1½-inch-thick waterproof foam pad as insulation and a down sleeping bag designed to stay warm to about zero degrees. To keep out the cold when temperatures hit -10 or -20, he puts a reflecting tarp on top of the bag, which helps cut down the effects of the wind. Then he'll add a down coat and sometimes down pants, plus wool socks, felt boot liners and perhaps even gloves.

(Continued on page 4)

Penn Staters



Philip A. Klein, professor of economics, recently marked his 25th year at the University. Dr. Klein also is research associate at the Center for International Business Cycle Research at Rutgers University. On two occasions, he has been an Academic Visitor at the London School of Economics, most recently in the summer of 1979.

As a Fulbright Fellow, he lectured at the University of Zagreb at Osijek, Yugoslavia, and the European Institute of Business Administration at Fontainebleau, France. In all, he has taught on five separate occasions at Fontainebleau and has given a number of lectures in Europe on business cycles. He has taught also at the University of Hawaii and San Francisco State.

A member of the editorial board of the *Journal of Economic Issues* and past-president of the Association for Evolutionary Economics, Dr. Klein has been a consultant to the UN Centre for Development Planning and Policy, the Organization of Economic Cooperation and Development in Paris and the European Economic Commission in Brussels.

He is the author of two books, *The Cyclical Timing of Consumer Credit, 1920-67*, and *The Management of Market-Oriented Economics*. He also co-authored *The Quality of Consumer Installment Credit Quality* and a monograph for the Department of Commerce, *Monitoring Business Cycles at Home and Abroad*. He was a contributor to *Multi-national Corporate Planning* and for the National Bureau of Economic Research, wrote *Financial Adjustments to Unemployment*.

Dr. Klein has been a member of the senior research staff of the National Bureau of Economic Research. Prior to joining the Penn State faculty in 1955, he was an instructor at Carleton College. He holds a B.A. and M.A. in economics from the University of Texas, his Ph.D., in economics, is from the University of California at Berkeley.

L.N. Mulay, professor of solid state science, presented a plenary lecture entitled "Magnetic and Mossbauer Spectroscopic Characterization of Catalytic Materials and Their Activity" at a symposium on "Current Trends in Magnetism" held in Delhi during December. Earlier, he gave an invited lecture on catalysis at the Chemistry Section of the 66th Indian Science Congress in Hyderabad, India. During his visits he lectured at the Atomic Research Center in Bombay, The National Chemical Laboratory, Poona, and at the University of Poona.

Charles S. Prebish, associate professor of religious studies, has been selected for a five-year term as co-chairperson, with Professor George Bond of Northwestern University, of the newly-formed Buddhism Group of the American Academy of Religion. Dr. Prebish will be responsible for all activities of the group, including program scheduling for the annual meetings of the Academy.

Two University faculty members and a local psychologist have written a book entitled *Helping Others*, published by

Brooks/Cole Company and released this month.

The 179-page text was written by Dr. Anthony R. D'Augelli, assistant professor of human development. Dr. Judith Frankel D'Augelli, a psychologist in private practice, and Dr. Steven J. Danish, professor of human development.

The book is intended to "aid in demystifying the helping process by presenting a comprehensive, skills-oriented approach" to the profession.

Promotions

Faculty

Donald C. Lindenmuth to assistant professor of philosophy at Schuylkill.

Staff Exempt

D. Ross Adams to classification analyst/regional personnel officer in Personnel Administration. Samuel Althouse to janitorial foreman at Berks.

Eugene N. Cannon to business manager at Delaware County.

Allan A. Derzak to coordinator, personnel systems, research and parking in Personnel Administration.

Lynn R. Duffy to senior staff technologist at Hershey.

George L. Hall to receiving assistant in Libraries.

Carol Hayes to supply assistant in Bookstore.

Gloria J. Luckenbaugh to senior staff technologist at Hershey.

Edeltraud A. Smith to personnel coordinator and assistant to the Dean in Business Administration.

Patricia L. Young to assistant director of admissions at Capitol.

Staff Non-Exempt

Dennis E. Haines to draftsman at Hershey.

Constance L. Kramer to clinical laboratory technician at Hershey.

Jeffrey L. Waser to senior computer operator at Hershey.

Clerical

Janet A. Colaluca to secretary B at Beaver.

Cecelia E. Doty to secretary A in Health, Physical Education and Recreation.

Joanna Dovi to clerk, admissions A at Capitol Campus.

Linda K. Gummo to secretary B in Arts and Architecture.

Jo E. Hetrick to inpatient billing clerk at Hershey.

Cynthia A. Horner to secretary A at Hershey.

Eleanor E. Meyer to registration clerk in Registrar.

Nancy P. Murphy to secretary A at Hershey.

Janet E. Neff to senior clerk in Management Services.

Jan L. Shoemaker to secretary C in Liberal Arts.

Josephine Smith to secretary A in Liberal Arts.

Deborah A. Tobias to senior control clerk at Hershey.

Katherine P. Tressler to secretary C in Undergraduate Admissions.

Holly Williams to secretary A in President's Office.

Judy Zanol to secretary B in Liberal Arts.

Technical Service

John M. Albany to maintenance worker (general) B at Delaware County.

Donna L. Burkey to shipping-receiving clerk in Continuing Education.

Senate report

(Continued from page 1)

Division of Undergraduate Studies and the number and types of programs provided by Continuing Education.

A number of issues are currently under consideration by the various committees of the Senate. A brief listing of some of these issues are given below.

Academic and Athletic Standards — Advising, Athletics, Examinations, Dean's List.

Academic and Physical Planning — Policies and procedures for program review, condition of the physical plant at all locations, monitoring the budgeting procedures.

Admissions, Records, and Scheduling — Review of non-degree

and provisional students categories. Commonwealth Campuses/Continuing Education — Surveying CE course cancellations, status report on Extended Degree Programs, providing advice on the implementation of the merger of the Commonwealth Campuses and Continuing Education systems.

Committees and Rules — Change in University Promotion and Tenure Committee Composition, student Senator elections.

Curricular Affairs — Guidelines for the minor in the University, implementation of legislation concerning 800-level courses, baccalaureate degree requirements.

External Affairs — Arrange Spring meeting with State Legislators, monitor the reporting of Snyder Card information, provide faculty input to the Office of Gifts and Endowments.

Faculty Affairs — Review and revision of Promotion and Tenure policy (PS-23) and sabbatical leave policy (PS-17).

Intra-University Relations — Delegation of authority for non-credit courses and associate degree programs, faculty participation in departmental governance.

Libraries — Book funding procedures and problems.

Research — Climate for research at the Commonwealth Campuses.

Student Affairs, Awards, and Scholarships — Programs for mathematically precocious children, student retention.

Undergraduate Instruction — Annual report on the University Division of Instructional Services, procedures for Program establishment, reorganization and discontinuation, Basic Skills report, learning centers, testing centers, W-grades.

In addition, there are several special committees that are expected to report shortly. Among these are the Freshman Year Committee, the Committee to investigate Senate involvement in the use of computers, and the review committee on delegation of authority to Capitol Campus.

Faculty, staff can utilize Public Information program

Faculty and staff members are encouraged to utilize programs initiated by the Department of Public Information and Relations.

"Our department uses a variety of public relations techniques which depend, to a large extent, on the expertise of the members of the faculty and staff," says Arthur Cervo, the department's director. "Thanks to their excellent support," he adds, "Public Information has been able to generate much goodwill for the University. We would like, however, to get even more members of the faculty and staff involved in our programs."

For example, one of the department's techniques which has met with considerable success is the Op-Ed program, which disseminates faculty expertise — and Penn State's name — throughout the mass media.

"As its name suggests, this program focuses on developing opinion pieces used by editors on pages opposite editorial pages," Mr. Cervo says. "The articles, written primarily by faculty members and edited for news by one of our staff members, generally deal with current events and run from 700 to 1,000 words."

Published examples include: Dr. Parris H. Chang's "What Taiwan Can Do" (*Newsweek*); Dr. Gerald P. Glyde's "Big Labor — It's a Big Myth" (*New York Times*); Dr. Rustum Roy's "Soviet Exchanges — the Wrong Target" (*Christian Science Monitor*); Dr. Robert F. Schmalz' "Threatened Species Lose Out" (*Philadelphia Inquirer*); and Dr. John Spicer Nichols' "Castro Needs No Soviet Guards" (*The Harrisburg Evening News*).

Story Ideas, another of the department's techniques, generates ideas for feature

stories based solely on a faculty member's expertise.

"To create these features, our writers brainstorm an idea, find a good faculty source to interview, do so on a recorder, have a transcript made, and write a brief summation of the transcript," Mr. Cervo explains. "All information is then checked back with the faculty source to insure accuracy."

Then, once every three months, an idea sheet containing 10 Story Ideas is sent to newspaper and magazine editors, broadcasters, syndicated columnists and free-lance writers.

"Media people responding to the list are sent interview notes, a biography of the source and the faculty member's telephone number for followup questions," Mr. Cervo adds.

The current Story Ideas sheet includes "Harmful Foods: Myths and Misconceptions" by Dr. Manfred Kroger, College of Agriculture; "How to Keep Your Child From Smoking" by Dr. Robert E. Shute, College of Health, Physical Education and Recreation; "Do you Abuse Your Child Emotionally?" by Dr. James Garbarino, College of Human Development; and "Is Your Legislator Getting Better?" by Dr. Irwin Felder and Dr. Michael R. King, College of the Liberal Arts.

"Story Ideas, generally speaking, are intended to inform the public about important issues in their day-to-day lives," Mr. Cervo points out. "We rely upon solid faculty research and expertise to offer readers up-to-the-minute information. This technique has proved most successful in obtaining state-wide and national media coverage for Penn State."

Another of the department's techniques

is Press Contacts, a directory published annually which lists University experts on topics ranging from acoustics to Yugoslavia.

"Press Contacts is distributed to members of the media, who use it primarily as a resource book on academic expertise needed for feature articles, background information or breaking news stories," Mr. Cervo observes.

Recently, for example, a reporter from Radio Station KYY ("all news radio") in Philadelphia contacted Dr. Trond Gilberg, professor of political science, for a comment about the death of the former Shah of Iran.

A fourth technique — described by Mr. Cervo as "practicing the best kind of public relations, personal contact" — is the department's *Speaker Bureau*, a booklet listing faculty members willing to speak to groups about their fields of expertise. "Faculty and staff volunteers from the 22 campuses give more than 365 talks per year — or an average of more than one a day — to civic, church, social and scholastic organizations around the State," Mr. Cervo notes, adding that it is always up to the faculty or staff volunteer whether or not to accept a speaking engagement.

The department's Talk Shows program, Mr. Cervo says, emphasizes having faculty and staff members appear on radio or television talk shows.

"Again, this represents very good exposure for the University by utilizing the expertise of members of the faculty and staff," Mr. Cervo notes.

Any member of the faculty or staff wanting further information about the Public Information programs is asked to contact Mr. Cervo at 865-7517.

University Park Calendar

Feb. 12-22

Special Events

Thursday, Feb. 12

Last drop deadline.

CineMathque, *The Paper Chase*, 7 and 9:15 p.m., HUB Assembly Hall.
Robeson Center Gallery Talk, 7:30 p.m., Walnut Bldg. Oliver LaGrone discusses his works.

URTC, *Macbeth*, 8 p.m., The Playhouse.
Colquhoun lecture, 8:15 p.m., Eisenhower Auditorium. Joseph A. Califano, Jr., former Secretary of Health, Education and Welfare, on "The Aging of the American City."

Friday, Feb. 13

STS/TCO, luncheon, noon; talk, 12:20 p.m., Room 101 Kern. Warren S. Smith, general education in the arts, emeritus, on "Art and Non-Art in the Age of Technology: An Overview."

Faculty Women's Club Pot Luck Supper, 6:30 p.m., Walnut Bldg.
CineMathque, *The Paper Chase*, 7 and 9:15 p.m., HUB Assembly Hall.
Commonplace Theatre, *The Wild One*, 7 p.m.; *A Streetcar Named Desire*, 9 p.m., Room 112 Kern.

EcoAction doc. films, "E.F. Stone's Weekly" and "The Pesticide People," 7 and 9 p.m., Room 102 Forum. Also Feb. 14 and 15.
GSA film, *The Ruling Class*, 7 and 9 p.m., Room 112 Chambers.

Shaver's Creek Nature Center, "Adventure Series," 7 p.m., Stone Valley.
Ballroom Dance Club/Hetzel Union Board, "In the Groove to Dance," Phi Mu Alpha Zeta Band with their "Big Band" sound, 8 p.m., HUB Ballroom.

Sports: gymnastics (men) vs. Temple and (women) vs. Utah State, 8 p.m.; ice hockey vs. Buffalo State, 9:30 p.m.

URTC, *Macbeth*, 8 p.m., The Playhouse.
Artists Series, *The Intimate P.D.Q. Bach*, 8:30 p.m., Eisenhower Auditorium.

Saturday, Feb. 14

Sports: swimming and diving (women) vs. Princeton, 1 p.m. and (men) vs. Syracuse, 4 p.m.; ice hockey vs. Drexel, 8:10 p.m.
Artists Series, *The Lovelace Theatre Company, Jack and the Beanstalk*, 10:30 a.m. and 2:30 p.m., Schwab.

France-Cinema, *Young, Alambriesta*, 7 and 9 p.m., Room 112 Kern.
GSA film, *The Ruling Class*, 7 and 9 p.m., Room 112 Kern.

Kern Commons Valentine's Day Concert, with Jerry Zolten Combo and Arthur Goldstein Group, 8 p.m., Room 102 Kern.
URTC, *Macbeth*, 8 p.m., The Playhouse.

Sunday, Feb. 15

University Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Donald M. Cridler, rural sociology, speaker.

Shaver's Creek Nature Center, family film festival and toymaking workshop, 1-4 p.m., Stone Valley. Info: 865-1851.

Sports: gymnastics (women) vs. National Team, 2 p.m.; ice hockey vs. Villanova, 3:30 p.m.

Commonplace Theatre, *The Wild One*, 7 p.m.; *A Streetcar Named Desire*, 9 p.m., Room 112 Kern.

Monday, Feb. 16

Sports: swimming and diving (women), AIAW Diving Qualification Meet, through Feb. 17.
France-Cinema, *Alambriesta*, 7 and 9 p.m., Room 112 Kern.

GSA workshop, Car Maintenance, 7 p.m., Room 102 Kern.
Colquhoun slide meeting, 7:30 p.m., Room 169 MRL.

Tuesday, Feb. 17

Comp. Lit. Lecture, 12:15-1:15 p.m., Room 204 HUB. Glyn Norton, French, on "Humanist's Theory of Translation: Salutati, Bruni, and Manetti."

Comp. Lit. Film Series, *Death of a Bureaucrat*, 7 and 9 p.m., Room 112 Kern.
Artists Series film, *Nosferatu - The Vampire* (1899), 8 p.m., Schwab.

URTC, *Macbeth*, 8 p.m., The Playhouse.

Wednesday, Feb. 18

Robeson Cultural Center Film Series, *Black History: Lost, Stolen or Strayed*, 7:30 p.m., Walnut Bldg.

URTC, *Macbeth*, 8 p.m., The Playhouse.
Sports: basketball (men) vs. St. Bonaventure, 8:10 p.m.

Music at Camera, 8:30 p.m., Music Bldg. Recital Hall.

Arts Roundup

Alard premieres work

Sunday's snow storm forced several carloads of Penn State performers to Pittsburgh to turn back without hearing the Alard Quartet perform with the Pittsburgh Symphony Orchestra.

The Quartet was premiering Ezra Laderman's Concerto for String Quartet and Orchestra, commissioned for the group by the Institute for the Arts and Humanistic Studies. The work, conducted by Andre Previn, was presented Feb. 6, 7 and 8 in Heinz Hall.

Robert Croan, music critic for the Pittsburgh Post-Gazette, praised the Concerto and said that the Alard "played the composite solo part superbly."

The review continues: "The composer's stated musical credo at this point eschews one language at the expense of all others, and he describes this new Concerto as moving easily in and out of tonality. It is amazing to hear what can still be done with a C major triad in common time, the opening material of the first movement—even more so to discover the chord's compatibility with the jagged drama of his non-tonal episodes. This is a significant addition to the symphonic repertoire, and Previn molded its first hearing with beautiful sonority and careful attention to detail."

Artists Series bringing P.D.Q. Bach

"The Intimate P.D.Q. Bach," under the questionable artistic direction of the madcap Professor Peter Schickele, will be presented by the Artists Series Feb. 13, at 8:30 p.m. in Eisenhower Auditorium.

Called "a very, very funny show—even for people who like music but don't know why" by the *New York Times*, Professor Schickele's program brings to audiences the music of the heretofore undiscovered (for reasons which will be made clear) son of the great Johann Sebastian Bach, and proves conclusively that "like father, like son" is not necessarily true.

The program, which will include such infamous works as the *Goldbrick Variations*, the *Abbaconcerto*, and *Twelve Quite Heavenly Songs* (an imposing song cycle based on the signs of the Zodiac), also will feature the noted bargain-counter tenor, John Ferrante, who has, for some reason, been with the P.D.Q. Bach Show since its premiere in New York in 1965.

Thursday, Feb. 19

CineMathque, *Blueback, The Birds*, 7 and 9:30 p.m., HUB Assembly Hall.
URTC, *Macbeth*, 8 p.m., The Playhouse.

Artists Series, The Jose Limon Dance Company, 8:30 p.m., Eisenhower Auditorium.

Friday, Feb. 20

Last date for submitting petitions to Records Office to graduate in absentia in March.

CineMathque, *The Birds*, 7 and 9 p.m., HUB Assembly Hall.
Commonplace Theatre, *The Hunchback of Notre Dame*, 7 p.m.; *Dr. Jekyll and Mr. Hyde*, 9 p.m., Room 112 Kern.

GSA film, *M*A*S*H*, 7 and 9 p.m., Room 112 Chambers.

Shaver's Creek Nature Center, Owl Prowl, 7:30 p.m., Stone Valley.

Sports: gymnastics (men) vs. Indiana State and Southern Illinois, 8 p.m.; ice hockey vs. Univ. of Pennsylvania, 9:30 p.m.

University Chapel Service, 8 p.m., Eisenhower Chapel. Rabbi Jeffrey Eisenstat, 8'nal B'rith Hillel Foundation, State College, speaker.

URTC, *Macbeth*, 8 p.m., The Playhouse.

Saturday, Feb. 21
Shaver's Creek Nature Center, chair caning workshop, 10 a.m., Stone Valley. Info: 865-1851.

Sports: fencing (men) vs. Navy, 1 p.m.; wrestling vs. Lock Haven, 2 p.m., basketball



Professor Schickele

The new second edition of "The Intimate P.D.Q. Bach" program will include comments on the life and times of P.D.Q. Bach, fully illustrated by Professor Schickele's collection of rare slides, manuscripts, and other memorabilia, and will conclude with the hilarious spoof, *Hansel and Gretel and Ted and Alice*, an opera in one unnatural act.

Tickets are on sale at the Eisenhower Auditorium box office from 9 a.m. to 4 p.m. through Feb. 13. Phone orders on MasterCard or Visa may be placed by calling 863-0255 during sale hours. If any tickets remain, they will be on sale at the box office beginning at 7 p.m. the evening of the performance.

Chamber group to play

Works from the Baroque, Classical and 20th century repertoires will be performed by Musica da Camera, the University's chamber orchestra, in a concert at 8:30 p.m. Wednesday, Feb. 18, in the Music Building Recital Hall.

The group will open its program with "L'Inverno" ("Winter"), the second concerto of Antonio Vivaldi's "Seasons." Violinist Mary Beth Ions, a candidate for the M.Mus. degree in performance, will be the featured soloist.

Bela Bartok's Divertimento for String Orchestra has been selected by Musica da Camera to commemorate the 100th anniversary of Bartok's birth.

Haydn's Symphony No. 94, the well-known "Surprise Symphony," will close the program.

Music da Camera, which is composed largely of graduate students in the School of Music, is directed by D. Douglas Miller, associate professor of music.

(women) vs. Maryland, 7 p.m.; ice hockey vs. Univ. of Pennsylvania, 8 p.m.

France-Cinema, *Annand, Hothead (Coup de tete)*, 7 and 9 p.m., Room 112 Kern.

GSA film, *M*A*S*H*, 7 and 9 p.m., Room 112 Chambers.

Carl Goshy, trumpet recital, 8 p.m., Music Bldg. Recital Hall.

URTC, *Macbeth*, 8 p.m., The Playhouse.

Sunday, Feb. 22

Shaver's Creek Nature Center, Walnut Springs Walk, 1-3 p.m., Walnut Springs Park, State College.

Sports: gymnastics (women) vs. UCLA, 3 p.m.

Commonplace Theatre, *The Hunchback of Notre Dame*, 7 p.m.; *Dr. Jekyll and Mr. Hyde*, 9 p.m., Room 112 Kern.

Artists Series, Wuerntemeb Chamber Orchestra, 8:30 p.m., Eisenhower Auditorium.

Seminars

Thursday, Feb. 12

Fuel Science, Juan C. Lasheras, Princeton Univ., on "Combustion and Vaporization of Emulsified and Multicomponent Fuel," 2 p.m., Room 301 Stridle (new listing).

Philosophy, Joseph Kockelmanns, philosophy, on "How to Read Aristotle's Metaphysics," 4 p.m., Room 167 Willard (new listing).

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Friday, Feb. 13

Analytical Chemistry, Steven Ankabrando, grad. assistant, on "Determination of Several Inorganic Sulfur Species by Differential Pulse Voltammetry," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Peter Monson, chemistry, on "Some Recent Developments in the Theory of Monolayer Adsorption," 2:30 p.m., Room 333 Whitmore.

Monday, Feb. 16

MC3B, Dwayne C. Savage, Univ. of Illinois, on "Genetic Approaches to Study of Mechanisms by which Indigenous Microorganisms Associate with Gastrointestinal Epithelial Surfaces," 4 p.m., Room 101 Altitude.

Tuesday, Feb. 17

MC3B, Dwayne C. Savage, Univ. of Illinois, on "Indigenous Microorganisms, Absorptive Enzymes and Turn-over of Intestinal Epithelial Cells," 11 a.m., Room 101 Altitude.

Water Pollution Control, Bernie Sarnoski, Drinking Water Section, EPA, Philadelphia, on "Safe Drinking Water Act," 2:20 p.m., Room 165 Willard.

Wittgenstein's Vienna, Glen Helman (philosophy) on "Frege," 3:30 p.m., Room 319 Walker.

Chemical Engineering, Alex Jamieson, macromolecular science, Case Western Reserve Univ., on "Studies of Polymer Diffusion by Quasi Elastic Light Scattering," 3:45 p.m., Room 140 Fenske.

Plant Pathology, Matthew Royer, grad. student, on "Sampling Aerial Dispersal of Insects in 'Trivial Flight' or of Airborne Fungal Spores," 3:45 p.m., Room 213 Buckhout.

Acoustics/Speech Communication, Anton J. Roszypal, linguistics, Univ. of Alberta, on "Perception of Jitter and Shimmer in Synthetic Vowels," 4 p.m., Room 73 Willard.

Mathematics, Rouben Rostaman, Purdue Univ., on "Determining Parabolic Equations," 4 p.m., Room 102 McAllister.

Thursday, Feb. 19

Animal Welfare, PSU faculty members discuss the impact of animal welfare on production agriculture, wildlife, biological sciences, laboratory animal care, animal health and animal behavior, 12:45 p.m., Keller Auditorium.

Chemistry, Sidney Hecht, Univ. of Virginia, on "Bleomycin: Studies on the Total Synthesis of an Antitumor Antibiotic," 12:45 p.m., Room 333 Whitmore.

Geosciences, Robert C. Reynolds, earth sciences, Central College, on "Kinetics of Illitization during Burial Metamorphism of Shales," 3:45 p.m., Room 212 Deike.

Acoustics/Physics, Arthur H. Benade, Case Western Reserve Univ., on "Wind Instrument Radiation Systematics," 3:55 p.m., Room 445 Davey.

Friday, Feb. 20

Analytical/Physical Chemistry, Paul Shepson, grad. student, on "The Photooxidation of Propionaldehyde," 11:10 a.m., Room 333 Whitmore.

Exhibits

Chambers Gallery: PSU students and faculty, handmade paper artifacts: Burk-Hartswick Invitational Glass Exhibit.

Kern Gallery: Sandra Leitzinger, watercolors; Mary Stokrocki, drawings and photographs; Nancy Zegenfuss, ceramics.

Museum of Art: European works from the permanent collection; selections from the Pre-Columbian and Oriental collections; "All That Is Glorious Around Us," paintings from the Hudson River School.

Pattee Library: John Inerra, photographs, through Feb. 19, Charles Emlan, sculpture, opens Feb. 19, East Corridor gallery, Diane Cissel, paintings, Lending Services Lobby.

Robert Butler, wood sculpture, through Feb. 17, Randy Cleaver and Michael Rodenas, sculpture, opens Feb. 17, Main Lobby.

"World's Fair," opens Feb. 16, Rare Books Room.

Robeson Cultural Center: "The Works of Oliver LaGrone," through Feb. 13.

Visual Arts Zoller Gallery: ceramics exhibit, through Feb. 14; sculpture students' exhibit, opens Feb. 17.

HUB Gallery: James Baker, recent photographic prints.

500 students volunteering to raise funds for Penn State

A sociologist interested in understanding changing student attitudes can stop by 201 Kern this week.

Some of the rebels of the late '60s and early '70s are there — pledging money to the University as today's students contact them by telephone.

The 500 Penn State students placing the calls have volunteered to help during a 16-night phonathon sponsored by the Office of Gifts and Endowments. OGE expects their efforts to raise about \$60,000 for the University between Jan. 26 and Feb. 19.

This is the largest of the three "Lion Line" phonathons OGE operates each year, and the one in which the University's colleges participate directly. While some nights are set aside for raising funds for University-wide needs, other evenings are reserved for students to contact alumni from their colleges and request donations directly to the college. (Colleges use these funds for such purposes as augmenting scholarships and awards, helping finance student service projects, or bringing in visiting speakers.)

"Our phonathons are targeted at specific groups who may not respond as readily to mail appeals," explains Cynthia Tift, assistant director of annual giving. "We phone younger alumni who haven't contributed before, as well as those who haven't donated for from two to ten years."

OGE takes care of all the arrangements for the phonathons, including briefings for the phoners, getting the phone lines and paying for the long distance calls, each of which is billed separately.

"While office phones already in existence could be utilized," Mrs. Tift continues, "we've found that it is very important to have all the callers together in one room to ensure a certain esprit — and to encourage a little healthy competition. We keep a running tally of how much has been collected so student phoners representing different colleges or groups can see how they stand."

Callers receive a "Lion Line" tee shirt and compete for such prizes as Big Macs and ice cream cones, which are awarded to students eliciting \$50 and \$100 pledges. The average pledge, Mrs. Tift notes, is about \$25. The best individual caller for the entire phonathon will receive a free dinner for two.

Colleges that have chosen to participate in the current effort are Business Administration, Liberal Arts, Agriculture, Science and Human Development. In addition, Renaissance Fund scholarship holders raised money for that cause, while Food Service and Housing Administration majors approached graduates of their curriculum on another evening. Members of Alpha Phi Omega, Gamma Sigma Sigma, Parmis Nous and Skull and Bones are also lending a hand in raising funds for University-wide needs.

"Calls are placed between 6:30 and 9:30 p.m., and an enthusiastic student will complete between 50 and 60 conversations a night," Mrs. Tift reports.

The personalities of the callers vary not only among the colleges but also among the volunteers themselves. College of Business Administration students, for example, are often more aggressive and sales-oriented than those from other colleges. CBA has also mounted the biggest effort, assembling enough students to keep 24 telephones busy for four nights. Liberal Arts, Science and Human Development each were scheduled for two nights with 12 phones. The number of phones in use does not reflect the number of volunteers, however, since ideally some students are calling while others are doing necessary paperwork.

Students are given a briefing before they begin dialing and a sample script to help them respond to such questions as: "Why didn't I get football tickets in the section I requested?" Answer: "I can't answer that personally, but I am going to forward your concern to someone who can."

Whenever a graduate agrees to pledge or responds with a "Maybe," the student making the call writes a brief personal note of thanks. "Our files are full of letters from alumni telling us how much they appreciated these notes," Mrs. Tift observes.

Of those alumni who pledge a specific amount, about 70 percent follow through with a contribution. About one third of the "Maybe's" eventually contribute.

"In the six years we have conducted phonathons," Mrs. Tift says, "we have found that general mail appeals sent to persons who have never contributed generate only about a .5 percent response.

misdeed and has requested the University to bring this matter to the attention of those persons who are affected by the requirement. Questions concerning the procedure and/or the report form should be directed to the Department of Defense.

HUB slide show on view

A brief narrated slide program has been developed by the Department of Housing and Food Services to describe the renovations being made in the HUB. The show can be viewed on weekdays in the vicinity of the HUB ballroom (now serving as a temporary snack bar) and on weekends around the HUB deck.

The program begins by tracing the history of the HUB from its original construction through remodelings and additions and then proceeds to the construction currently underway on the ground floor in the old Lion's Den and Terrace Room. The overall impact of the project is also described.

The slide show will be updated as construction progresses.

Alumni

(Continued from page 1)
Association of Ice Cream Manufacturers and a 1955 graduate, College of Agriculture; and

— Sam Vaughan of New York City, publisher and president of Doubleday Publishing Co. and a 1951 graduate, College of the Liberal Arts.



Science and Human Development students kept all lines busy at Jan. 29 phonathon.

A phonathon aimed at the same group will bring in definite pledges from 18 to 26 percent of those contacted — and our expenses are generally less.

"Among past donors, the same general mailing will produce about an 8.5 percent response, but at a cost of about 6 cents per dollar raised. A phonathon to former donors results in specific pledges often exceeding 30 percent of those contacted, but at a higher cost of 19 cents per dollar raised."

"We have concentrated on using phonathons to broaden our base of support; consequently, those donors phoned have often not been among our most recent contributors, and gift pledges are generally smaller, resulting in the higher cost per dollar raised. We are, however, beginning to use the telephone for upgrading prospects to a higher level of giving. Still another benefit is the opportunity it gives us to update alumni records."

While many of Penn State's newer alumni — those from about 1974-76 — are not yet sufficiently established in their careers to pledge large amounts, OGE feels that phonathons give these recent grads a better understanding of the importance of private support and thus lay the groundwork for future contributions.

"Our student callers are also being educated about the need for private support at Penn State," Mrs. Tift points out. "We hope that their phonathon

experience will produce a positive response one day when they find themselves on the other end of the phone."

During the Fall phonathon, OGE's student volunteers placed calls to non-donors and lapsed contributors, but on a University-wide rather than a college basis. In the Spring, the target will be alumni who contributed in the previous year but have not responded during the current campaign. Again, selected non-donors will be contacted.

During the 1980 fund year, according to Mrs. Tift, calls were attempted to more than 28,000 alumni, and 16,700 contacts resulted. (There are always wrong numbers or persons who are not at home.) Almost 4,900 specific pledges with amounts, and 600 with no specific amount, were received. Another 2,300 persons indicated an interest or "Maybe." The total amount pledged was \$88,700, and more than \$107,600 was actually sent in.

Many of the student phoners become so enthusiastic that they ask to return. OGE likes "repeaters."

"Usually it takes a few phone calls before a caller loosens up," Mrs. Tift explains, "so the more experienced the student, the more successful he or she tends to be."

As for the students, asked why they donate their time, one summed up: "I just feel I owe something for the education my college is giving me."

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. The announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Feb. 19, 1981. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ASSISTANT FOOD SERVICE MANAGER, COLLEGE OF MEDICINE, HERSHEY Responsible to the Director of Food Service for operation of the cafeteria, coffee shops, main kitchen and patient tray assembly line. A bachelor's degree in food and nutrition, or equivalent, and two to three years' effective experience.

ASSISTANT MANAGER OF PHARMACY, COLLEGE OF MEDICINE, HERSHEY Responsible to the Manager of Pharmacy for managing and directing the Pharmacy Department and clinical pharmacy program. Participate in education and research programs in the Medical Center as requested, review and revise old programs as necessary and assume the responsibility for the Department in the absence of the Manager. A master's degree or doctor of pharmacy degree, residency, plus two to three years of effective experience, with experience in a supervisory capacity preferable. Pennsylvania registration in pharmacy or eligibility required.

AREA REPRESENTATIVE, CONTINUING EDUCATION, BEAVER CAMPUS This position is responsible for the functions of development, organization, operation and administration of Continuing Education programs and services within an

assigned geographic district. Bachelor's degree or equivalent, plus two to three years of directly related experience in business, industry or education.

Cold

(Continued from page 1)

For a final touch of comfort, he props a pillow beneath his knees.

Mike's chief problem right now is finding others who want to explore the possibilities of cold weather camping with him. (He's designed a special sleeping bag for Blue, his dog, to insure that he at least has canine companionship on his camping ventures.)

He'd like to talk with people who share his interest and want to camp locally or possibly up north. Ideally he'd like to see a group of snow camping aficionados formed on campus. Anybody interested in talking to Mike about this subject can contact him at 234-0646.

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News in brief

(Continued from page 1)

Calendar news due

A glimpse of hope through the winter's ice — material for INTERCOM's Spring Term Calendar is due by Friday, Feb. 20. Please send to Lee Morrill in Room 312 Old Main, 865-2501.

Not that busy

Personnel at the DuBois Campus wish to inform the University community that they were not on a 72-hour talking jag Feb. 2, 3 and 4.

A phone cable to the Campus was broken, resulting in callers receiving a busy signal for three days running. The cable has since been repaired.

DOD reports needed

The University has been asked to remind former military or civilian officers and employees of the Department of Defense currently from service on or after July 1, 1975, and currently employed by the University that they are annually required to submit a report to the Department of Defense.

The report is for the fiscal year (Oct. 1 through Sept. 30) and should be submitted prior to Feb. 15 each year. The form to be completed is known as DD Form 1787.

The Department of Defense has indicated that failure to complete with the filing requirement constitutes a

Penn State Intercom

Holiday savings of \$131,530 estimated

An estimated \$131,530 in energy expense was avoided by lowering temperatures and reducing ventilation in most buildings at University Park during the recent holiday recess.

Members of the University's Executive Energy Conservation Committee were given the information at their February meeting by J. Carroll Dean, manager of energy conservation programs.

"The estimate takes into account weather severity, the costs of reducing and then bringing back into operation the heating and ventilation systems in campus buildings, as well as repair costs attributable to the reduction," he noted.

Richard Crowley, assistant vice president for business services, reported to the Committee on energy use trends in the University's motor vehicle fleet and on efforts to reduce energy consumption.

The overall miles-per-gallon figure for the University fleet is up 30 percent since June 1977, he noted, reflecting smaller car sizes. Trucks and specialty vehicles, however, comprise 25 percent of the fleet and are less flexible in size and fuel efficiency.

Comparing the number of full-size, intermediate, sub-compact and compact cars in the fleet today with the number several years ago is not totally meaningful, he added, since automakers have changed the standards in recent years. Nonetheless, Penn State has significantly fewer full-size cars than was the case five years ago.

Salary deposit plan can be extended

The University will extend its salary deposit program to any Pennsylvania bank which enrolls 25 or more University employees in the plan.

Currently, 37 percent of the University's employees have their salaries deposited directly into the 16 banks which participate in the program.

It is not necessary for University personnel who wish to join the plan to be employed at a single campus location or to be paid on the same monthly schedule, according to Richard H. Baker, assistant treasurer and director of financial management at the University.

If 25 employees at Capital Campus, York and Hershey, for example, were to agree to use one bank in their area, the University would extend the salary deposit service to that bank.

Mr. Baker also notes that when a bank has been approved for salary deposit, all of its branches are included in the plan.

The participating banks include: Central Counties Bank, Commonwealth National Bank, County National Bank, Farmers Community Bank, First National Bank of Centre Hall, First National Bank of Pennsylvania, Gallatin National Bank, Hamilton Bank, Hershey National Bank, Maritime National Bank, Mid-State Bank and Trust Company, Mt. Nittany Savings & Loan, Peoples National Bank of Central Pennsylvania, State College Federal Savings & Loan, Union National Bank and Trust Company, and Valley Trust Company of Palmyra.

Persons wishing further information about the salary deposit plan should contact the Office of the Assistant Treasurer, Room 408 Old Main, 865-1359.

News in Brief

Participants sought for Canadian studies meeting

Plans are underway to hold a Conference on Canadian Studies at the University Friday afternoon, April 3, and Saturday morning, April 4. The chief purpose of the meeting is to discuss ways of further developing Canadian studies in Pennsylvania and neighboring regions.

Professors Henry S. Albinsky (political science) and Gerard J. Brault (French) will serve as co-chairmen.

There will be no formal papers; instead, participants will be given an opportunity to confer with one another in both structured and informal settings. There will be no registration fee. A business meeting will be held on Saturday morning.

Persons wishing to attend the Conference should inform the Program Organizer, Professor Brault, Room 316 Burrowes Building (865-1492).

German novelist to present reading

Walter Kempowski, one of the best known of contemporary German novelists, will visit the University from Feb. 24 to 26.

On Tuesday, Feb. 24, at 8 p.m. in Room 101 Kern, he will read from his works, which include *Aus grosser Zeit*, *Tadellose und Wolff*, *Uns geht's ja noch gold* and *Ein Kapitel für sich*. His books have been recognized in Germany with great critical acclaim.

Born in Rostock, Mr. Kempowski experienced the Nazi period, the war and the collapse of the Third Reich from his Baltic seaport. In 1948 he was arrested for political reasons by the Soviet military authorities and sentenced to 25 years in prison. However, he was paroled after eight years.

Mr. Kempowski draws on the happenings and the spirit of these times in his novels, several of which have been made into films.

New chairman named

President Oswald and Provost Eddy have named Dr. Donald L. Ace, professor of dairy science Extension, chairman of the Dean's Search Committee for the College of Agriculture. Dr. Paul E. Nelson, professor of plant pathology, has been added to the membership of the Committee. These changes result from the request of Dr. John W. Malone, professor and head of agricultural economics, to resign as chairman and a member of the Committee.

Program offered for parents of younger children

The Individual and Family Consultation Center offers programs for parents of children from 3 to 10 years of age. In a series of sessions, parents are systematically taught and supervised in the use of skills designed to: a) enhance communication, b) create a sense of mutual understanding and harmony, c) utilize emotions constructively, and d) teach children personal and social skills efficiently, effectively and with a minimum of discord. Interested persons may obtain further information by calling 865-1751 Monday-Friday, 9 a.m. to 5 p.m.

Housing rental service available to faculty

Faculty members who are interested in renting their homes while away on leave can take advantage of the Housing Referral Service sponsored by the Faculty Women's Club.

Information on how to receive a listing is available in Room 313 Willard Building Tuesdays from 9:30 to 11:30 a.m. or by telephoning 865-1538.

SERS statements out

Retirement account statements have been distributed to faculty and staff members who belong to the State Employees' Retirement System (SERS). These statements provide information about retirement accounts as of Dec. 31, 1980.

Some faculty and staff members who are age 50 or older have received statements containing projected retirement annuities. The State Employees' Retirement Board is working toward the goal of eventually providing this more detailed report for all members age 50 and older.

Faculty and staff members with questions about their retirement account statements should contact the Employee Benefits Division at 865-1473 (network: 475-1473).

New capabilities added by Telephone Services

Three new features will be added March 2 to upgrade the University's Centrex I Telecommunications System.

The new Centrex II will enable all calls, regardless of origin, to be transferred within the University system without the services of a University operator. At present, only calls originating off campus can be transferred.

Users will have available also a "Consultation Hold," allowing them to consult with a third party by telephone while excluding the original party from the conversation.

The third feature will allow a third party to be added to the original conversation.

Instructions on the use of Centrex II were issued by Telephone Services in a letter released Feb. 13. Persons with further questions can contact Telephone Services at 865-8311.

Search Committee appointed for new development officer

President Oswald and Richard E. Grubb, senior vice president for administration, have appointed a Search Committee to seek and review nominations and applications for the newly established position of Vice President for Development.

The Committee will be chaired by Dean Eugene J. Kelley of the College of Business Administration. Its members are:

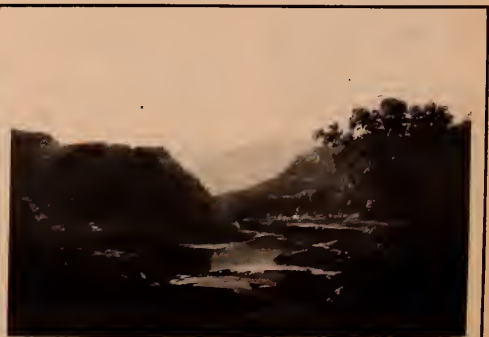
Dr. Maureen A. Carr, director, School of Music; Steve A. Garban, vice president and controller; William Hull, director of exhibitions; Peter A. Irvin, president, Graduate Student Association; Irvin H. Koehl, assistant vice president for administration; Herbert Kravbyll, director, gifts and endowments; Hershey, Ross B. Lehman, executive director, Alumni Association; Dean Stanley F. Paulson, College of the Liberal Arts; Dr. Harold W. Perkins, director, Berks Campus; Dr. Doris M. Seward, executive assistant to the President; Dr. James B. Stewart, director, Black Studies Program; and Dr. Nancy M. Tischler, chairperson-elect, University Faculty Senate.

Among the responsibilities of the new vice president will be advising on fund-raising policies and practices, as well as planning, coordinating and directing the University's fund-raising program. The individual, in cooperation with other appropriate officers, will be responsible for developing an external relations program to support fund raising.

Candidates should have at least five years of successful, executive-level fund raising or administrative experience and should possess a full understanding of the functions and priorities of a university such as Penn State.

Dr. Oswald stated, "During the past five years, under the professional leadership of Charles Lupton, the University has made significant progress in attracting private funds. Between 1975 and 1979, private giving to Penn State doubled, showing an increase from \$5 million per year to \$10 million per year. The challenge ahead for the new vice president and the entire University is to

(Continued on page 3)



"Autumn Landscape" by William Sonntag is one of the paintings in the Museum of Art's current show, "All That Is Glorious Around Us." Visitors can view this comprehensive survey of outstanding works by Hudson River School painters through March 22.

Penn Staters

Dr. Gerard J. Brault, professor of French and Fellow of the Institute for the Arts and Humanistic Studies, has been named Officer in the National Order of Merit by the French Government. This is the second French decoration for Professor Brault who, in 1965, was awarded the Palmes Academiques and, in 1975, was promoted to the rank of Officer in that order.

In a letter, the French Ambassador to the United States has specified that the latest decoration is in recognition of Professor Brault's outstanding teaching and research in the field of French. Professor Brault is the author of numerous books and articles on French medieval and Renaissance language and literature, and on the French Canadians of New England. Over the years, he has received many other national and international honors; he is a Fellow of the Academie Internationale d'Heraldisque (Geneva), the Heraldry Society (London), the Mediaeval Academy of America, and the Society of Antiquaries (London). He is also currently vice president of the Societe Rencvals, an international organization promoting the study of the medieval Romance epic.

Dr. Hellmut Hager, professor and head of the Department of Art History and Fellow, Institute for the Arts and Humanistic Studies, and Eugenio Battisti, Evan Pugh professor of art history, were recently invited to present papers at a January symposium, "Bernini e il Barocco Europeo," held in Rome to commemorate the 300th anniversary of that artist's death. Dr. Hager's paper, "Bernini e il revival del 'Full Baroque' nell'architettura romana del '700," and Dr. Battisti's paper, "Sul concetto di Barocco," will be printed in the "Atti del Convegno" published by the "Ufficio Attivita' Culturali dell'Istituto della Enciclopedia Italiana."

Robert A. Schlegel, assistant professor of molecular and cell biology, presented invited lectures at the Johns Hopkins Oncology Center and The Medical College of Wisconsin. His subject was "Mercosanine 540: A Fluorescent Membrane Probe which Detects Leukemia Cells and Immature Hematopoietic Cells."

Work by Zeljko Kujundzic, professor of art at Fayette, has been included in the permanent collection of the Sculptor's Society of Canada. Currently on exhibit in Toronto, the collection will be shown throughout Canada.

Dr. Inyong Ham, professor of industrial engineering, recently received the 1980-81 Outstanding Faculty Teaching Award from the Penn State student chapter of the American Institute of Industrial Engineers.

Introduction to *Simulation and SLAM*, a book co-authored by Claude D. Pegden, associate professor of industrial engineering, and published by Halstead Press, recently was awarded Honorable Mention by the Lancaster Prize Committee of the Operations Research Society of America. The book is a reference for a new language called SLAM (Simulation Language for Alternative Modeling) and is a textbook on the methodology of computer simulation.

Appointments

Three new appointments have been announced at the Hershey Medical Center. They are:

John L. Pennock as assistant professor of surgery. B.S., PSU; M.D., Temple U. School of Medicine. Internship, Harrisburg Hospital; Resident, Hershey; Fellowships, Hershey, Stanford U.

Thomas V. Shankey as assistant professor of pathology. B.S., M.S., U. of Dayton; Ph.D., U. of Florida; N.I.H. postdoctoral fellow, U. of Pa.

Beverly L. Renford as senior assistant librarian. B.S., Medaille College; Ed.M., SUNY-Buffalo; M.L.S., Western Michigan U. Formerly senior assistant librarian, University Park.

12 IAHS Fellowships awarded

Twelve faculty members have been awarded Research Fellowships for the 1981 Summer and Fall Terms by the Institute for the Arts and Humanistic Studies.

They are:

— Dr. Dean R. Baldwin, assistant professor of English at Behrend College, for research and study of the life and works of English novelist H.E. Bates, leading to a biography.

— Dr. Robert E. Burkholder, assistant professor of English at Wilkes-Barre, to complete three studies of Ralph Waldo Emerson and initiate a fourth work;

— John A. Cook, professor of art, for research and study of Renaissance and classical medals in order to design a medal for the Society of Medalists;

— Dr. Anthony Cutler, professor of art history, for research and study of late antique and early medieval carved ivories;

— Carole Franklin, associate librarian and assistant professor of music, for research on a critical edition of selected keyboard sonatas by Moravian composer Franz Beck;

Dr. Stamatis M. Zervanos, associate professor of biology at Berks, has been named associate director for academic affairs at the Reading campus.

Dr. Zervanos earned his bachelor's degree at Albright College, his master's degree at Penn State and his Ph.D. in zoology at Arizona State University. He taught at the Altoona and University Park campuses before moving to the Berks Campus in 1972.

He has received national recognition for his studies of the wild ponies of Assateague Island, and he participated in the NASA Bio-space technology program and studies at the Naval Arctic Research Laboratory at Point Barrow, Alaska.

Promotions

Staff Exempt

Paul W. Hornack to chief flight instructor in Business Services.

Robert C. Hoult to supervisor, engineering shop services in Engineering.

Donna M. Rittler to assistant patient unit coordinator — ACCC at Hershey.

George W. Schimmel to director, physical plant maintenance and operations in Physical Plant.

Stephen W. Wiley to manager of pharmacy at Hershey.

Staff Non-Exempt

Joanne E. Chryst to cardiology technician at Hershey.

Douglas L. Ednie to senior research technician at Hershey.

Jane E. Kegerise to senior staff nurse at Hershey.

Clerical

Teresa K. Reed to secretary B in Engineering.

Rose A. Reedy to senior medical transcriptionist at Hershey.

Hattie C. Reese to clerk accounting A in Controller's Office.

Delphine C. Smith to secretary B in Continuing Education.

Deborah Tabolt to secretary A in Planning and Budget.

Rochelle D. Winn to secretary B in Agriculture.

Rachel E. Yoder to clerk typist A in Engineering.

Technical Service

Arthur J. Askey to senior electronics technician, computer systems in Physical Plant.

Thomas Barrall to maintenance worker general B at Berks.

Helen A. Hall to senior operator, sewing room in Housing and Food Services.

Lewis C. Needles to maintenance mechanic A at Delaware County.

Bonita A. Reifsnider to laboratory technician C at Hershey.

— Dr. Mary S. Mander, assistant professor of speech communication, for research in the William Randolph Hearst family papers for a biographical study;

— Dr. Joseph W. Michels, professor of anthropology, and Dr. Beno Weiss, associate professor of Italian, to establish a scholarly framework for the study of Sardinian cultural history;

— Dr. William H. O'Donnell, associate professor of English, to organize an exhibition of selected works from the art collection of William Butler Yeats;

— Dr. Gerhard Strasser, assistant professor of German, for research and study of 16th and 17th century cryptography and universal languages;

— Dr. Donald P. Verene, professor of philosophy, for research for a proposed book, "Vico's and Hegel's Conceptions of Memory"; and

— Dr. Roger R. Zeller, assistant professor of art education, Altoona, for study of rosemarling techniques in the Norwegian-American Museum in Decorah, Iowa, and their application to ceramics.

Wayne Shirk to preventive maintenance worker (electrical) in Physical Plant.

John A. Tomco to maintenance mechanic (laundry equipment) in Housing and Food Services.

John M. Wojcik to maintenance worker (general) B at Delaware County.

Louis W. Zimmerman to maintenance worker — housing in Housing and Food Services.

Faculty Forum

I was very much interested in reading the announcement of the play *Sojourner* in the Penn State Intercom, Jan. 29, 1981. Only one thing was missing: the names of the playwrights. Perhaps the publicity releases from the Germantown Theatre Guild left us out; in fact, we didn't even know the play was to be given at all, particularly at Penn State in the Paul Robeson Cultural Center. Had we known, we would have taken a trip up the main campus to see the play we had written.

I am making a particular point here as the writers of the script have associations with Penn State University.

Pat Stenberg, now professor of theatre at SUNY, was lecturer in theatre arts at the Ogonitz Campus of Penn State in Abington for eight years. In 1978, I took her place at Ogonitz, and am now the current lecturer in theatre arts there.

I am sorry you did not receive adequate information from the Guild, and I do thank you for rectifying their error in the omission of our names for our copyrighted script.

Dolly Marilynn Beechman

Editor's Note: INTERCOM is happy to rectify the omission. The names of the playwrights were not supplied in the release made available to us.

Partings

Clair L. Harper, supervisor in engineering shop services, College of Engineering, left University service on Feb. 14 after 13 years on the staff.

Leonard D. Hardy, preparation technician in the College of Science, retired Jan. 10. He joined the University staff Jan. 17, 1966.

William J. Hufnagel, maintenance worker at Delaware County, retired Feb. 1. He had been at the Campus since Jan. 4, 1971.

Mary H. Decker, a residence hall worker in Housing and Food Services, will retire Feb. 28 after serving on the staff since Nov. 22, 1965.

Wayne W. Greenawald, janitorial foreman at the Ogonitz Campus, will retire March 1 after working for the University since Sept. 1, 1964.

Funding Sources

For further information, call 865-1372

(352-1) **Disertation Grants** to encourage research and analysis of data recently gathered about federally assisted housing programs will be made by HUD. Up to 10 grants will be awarded on a competitive basis to doctoral candidates. Grants will amount to \$7,000, plus \$3,000 for computer time at HUD. The deadline for applications is April 15, and awards will be announced June 1. (Ref: HUD Announcement File 1980-2)

(352-2) **Grants for Dissertation Research Support 1981** have been announced by the HHS/PHS National Center for Health Services Research. Twenty awards for up to \$20,000 each will be made to graduate students in the social, medical, management, or health sciences for research on organization, delivery, financing, or quality of health care services. For information call 301-435-6920. The deadline date for applications is April 7, for a July 1981 award. (Ref: NCHSR Program Solicitation)

(353-1) **The Resource Information Service (RIS)** provides information to faculty and staff to support their mission of obtaining project funding for instruction, research, continuing education and for fellowships. RIS is the liaison between Penn State and the Office of Federal Programs (OFFP), Washington, D.C. OFFP provides Penn State with continuous monitoring of public and private agencies. RIS reviews subsisting information from numerous sources including the Federal Register and the Commerce Business Daily and receives direct mailings from agencies. RIS makes unsolicited information distributions to faculty and staff to promote awareness of public and private programs, responds to faculty staff inquiries about programs and contacts, and through a Preliminary Proposal Office (PPO) mechanism, helps locate support funds with the assistance of OFFP and Penn State's Office of Gifts and Endowments (OGE). For detailed information about RIS assistance, contact M.R. Kohler, Room 5 Old Main, 685-1372. (Network 8-475-1372).

(353-2) NSF has set a March 9, 1981, target date for receipt of proposals for its RISE Program (Research in Science Education). Two areas of particular interests NSF are (1) science literacy and science technology and society and (2) computer-related technology for science and mathematics education. In lieu of preliminary proposals in these areas, the RISE staff is available for questions and discussions. Call 202-287-7445. NSF's guidelines are available here. (Ref: NSF Bulletin, Feb. 1981)

Obituaries

Francis C. Blazer, janitor in the Department of Housing and Food Services from 1938 until his retirement in 1952, died Feb. 4 at the age of 91.

Lee E. Corter, an assistant professor of political science from 1947 until his retirement in 1967, died Feb. 9 at the age of 74. Mr. Corter, who was also affiliated with Penn State's Institute of Local Government, held B.A. and M.A. degrees from the University. He was a teacher and principal in several western Pennsylvania schools before joining the faculty.

Robert B. Sims, a maintenance worker at the Altoona Campus since Jan. 3, 1972, died Feb. 5. He was born in Gazierville, Pa., on Aug. 23, 1930.

Emma E. Stuart, an accounting clerk in the College of Agriculture at her retirement in August 1971, died Feb. 7. A native of Boalsburg, she was 72 and had first come to work at the University in November 1945.

Gilbert R. Whiteman, a native of Snow Shoe, died Feb. 8 at the age of 81. He joined the Office of Physical Plant as a fireman in 1952 and was working as a sewage plant operator when he retired in September 1965.

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University Park Calendar

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Feb. 19-28

Special Events

Thursday, Feb. 19
Black Studies Colloquium, Cyril Griffith, history, and Virginius B Thornton, former black studies coordinator, on "New Perspectives on Black History," 3:30 p.m., Rare Books Room, Pattee.

Cinemathèque, Hitchcock, *The Birds*, 7 and 9:30 p.m., HUB Assembly Hall.
U.R.T.C., Macbeth, 8 p.m., The Playhouse.

Artist Series, The Jose Limon Dance Company, 8:30 p.m., Eisenhower Auditorium.

Friday, Feb. 20
to graduate for submitting petition to Records Officer to date in absence in March.

Cinemathèque, *The Birds*, 7 and 9:30 p.m., HUB Assembly Hall.

Commonplace Theatre, *The Hunchback of Notre Dame*, 7 p.m., Dr. Jekyll and Mr. Hyde, 9 p.m., Room 112 Kern.

Folk and Square Dance Roundup, 7-8:30 p.m., Room 133 White Bldg.

GSA Film, M*A*S*H, 7 and 9 p.m., Room 112 Chambers.

Shaver's Creek Nature Center, Owl Prowl, 7:30 p.m., Stone Valley.

Sports, gymnastics (men) vs. Indiana State and Southern Illinois, 8 p.m., ice hockey vs. Univ. of Pennsylvania, 9:30 p.m.

University Chapel Service, 8 p.m., Eisenhower Chapel. Rabbi Jeffrey Eisenstat, 8 p.m., 81st Hill Foundation, State College, speaker.

U.R.T.C., Macbeth, 8 p.m., The Playhouse.

Saturday, Feb. 21
Shaver's Creek Nature Center, chair caning workshop, 10 a.m., Stone Valley. Info: 863-1851.

Sports, fencing (men) vs. Navy, 1 p.m.; wrestling vs. Lock Haven, 2 p.m.; basketball (women) vs. Maryland, 7 p.m.; ice hockey vs. Univ. of Pennsylvania, 8 p.m.

France-Cinema, Annaud, *Hothead (Coup de tête)*, 7 and 9 p.m., Room 112 Kern.

GSA Film, M*A*S*H, 7 and 9 p.m., Room 112 Chambers.

Carl Cowley trumpet recital, 8 p.m., Music Bldg.

U.R.T.C., Macbeth, 8 p.m., The Playhouse.

Sunday, Feb. 22
Shaver's Creek Nature Center, Walnut Springs Walk, 1-3 p.m., Walnut Springs Park, State College.

Sports, gymnastics (women) vs. UCLA, 3 p.m. Commonsplace Theatre, *Hunchback of Notre Dame*, 7 p.m.; Dr. Jekyll and Mr. Hyde, 9

p.m., Room 112 Kern.
Artists Series, Wuernttemberg Chamber Orchestra, 8:30 p.m., Eisenhower Auditorium.

Monday, Feb. 23
France-Cinema, *Hothead*, 7 and 9 p.m., Room 112 Kern.

Tuesday, Feb. 24
HUB Craft Center closes for term break, Room 312 HUB.

German Dept., lecture, 8 p.m., Room 101 Kern.

Walter Kempowski, contemporary German novelist, reads from his works.

Museum of Art, lecture, 8 p.m., W.E. Esber, 1011 East College Ave. Webb Esber on "Persian Rugs: Past, Present and Future."

Wednesday, Feb. 25
Last day to sign Winter Term Emergency Loans, Room 108 Shields.

Early registration for Spring Term, 8 a.m.-4:30 p.m., Shields Lobby. Also Feb. 26 and 27, March 2 and 3.

Sports, basketball (men) vs. Robert Morris, 8:10 p.m.

Winter Term classes end, 9:55 p.m.

Thursday, Feb. 26
Final examinations. Also Feb. 27 and 28, March 2.

SFO film, Carol Reed, *The Third Man*, 7 and 9 p.m., HUB Assembly Hall.

Friday, Feb. 27
Interludia, folk dancing, 7:30 p.m., Room 3 White Bldg.

Saturday, Feb. 28
Sports: bowling vs. Bloomsburg, 1 p.m.; volleyball (men) vs. Ohio State, 7 p.m.

Seminars

Thursday, Feb. 19
MC3B, Russell A. Maurer, biology, MIT, on "Genetic Analysis of a Complex Pathway in Salmonella: DNA Replication," 1 p.m.

Room 101, Althouse (new listing).

Aesthetics, Literary Criticism and Interpretation Theory, Nicholas Webb, art education, on "The Notion of Autonomy as Integral to the Idea of a Work of Art," 4 p.m., Writing Room, Nittany Lion Inn (new listing).

Fuel Science, P.G. Felton, Univ. of Sheffield, on "Droplet and Particle Sizing by Laser Diffraction," 4 p.m., Room 301 Steidle (new listing).

Friday, Feb. 20
Analyst/Physical Chemistry, Paul Shepson, grad. student, on "The Photooxidation of Propionaldehyde," 11:10 a.m., Room 333 Whitmore.

public institutions, 14 percent for private universities and 16 percent for other four-year private institutions.

□

Political liberalism has declined among the current class of college freshmen, according to the annual survey of college freshmen conducted by UCLA Professor Alexander Austin and sponsored by the American Council on Education.

Only 19.6 percent of the new students call themselves liberals, compared with 22.5 percent last year. Ten years ago, 33.5 percent described themselves in this manner.

Sixty percent of the students reported they were middle-of-the-road, compared to 45.3 percent in 1970-71 and 39.7 percent last year. The proportion of freshmen labeling themselves conservative is 17.1 percent, up from last year's 16.6 percent but the same as 10 years ago. Only 2.1 percent of the freshmen said their politics were far left; 1.2 percent identify themselves with the far right.

Responding to questions about specific issues, more than 80 percent of the freshmen list inflation as the biggest domestic problem. Fifty-three percent feel abortions should be legal and women subject to military draft.

The number of born-again Christians among the entering students showed a slight decline, 27.2 percent this year compared with 28.7 percent last year and 29.8 percent two years ago.

Tuesday, Feb. 24

Biology, Robert H. Broyles, Univ. of Oklahoma Health Sciences Center, on "Developmental Switches in Gene Expression: Hemoglobin and Red Cells as a Model," 11:10 a.m., Room 8 Mueller.

Water Pollution Control, Caru P. Bose, Philadelphia Water Dept., on "Treatment for Control of Trihalomethanes," 2:20 p.m., Room 165 Willard.

Plant Pathology, Norman Lalancette, grad. student, on "Mite Model: An Integrated Pest Management Approach," 3:55 p.m., Room 213 Buckhout.

Organic/Inorganic Chemistry, J.I. Tufariello, SUNY/Buffalo, on "Nitrogen in Organic Synthesis," 8 p.m., Room 333 Whitmore.

Thursday, Feb. 26

Physics, Martin Perl, SLAC, on "Quarks, Leptons and Very High Energy e⁺e⁻ Physics," 3:50 p.m., Room 445 Davey.

Exhibits

Chambers Gallery: PSU students and faculty, handmade paper artworks, Burk-Hartswick Invitational Glass Exhibit, both through Feb. 26.

HUB Galleries: Nittany Divers, PSU Women's Swim Team and PSU Camera Club exhibitions, Art Alley, Imaginus Galleries, Woodland Indian Art Exhibit and Sale, The Browsing Gallery, James M. Baker, recent photographs, The Gallery. All exhibits through Feb. 28.

Kern Gallery: Sandra Leitzinger, watercolors: Mary Stokrocki, drawings and photographs, both through Feb. 27, Nancy Ziegenfuss, ceramics, through Feb. 28.

Museum of Art: European works from the permanent collection, selections from the Pre-Columbian and Oriental collections, "All That Is Glorious Around Us," paintings from the Hudson River School.

Pattee Library: Charles Emlen, sculpture, opens Feb. 19, East Corridor Gallery, Diane Cisel, paintings, through Feb. 24; Milwaukee's Lakefront Planning and Design Competition: The Design Process, opens Feb. 24, Landing Services Lobby; Robert Butler, wood sculpture, through Feb. 23; Randy Clavner and Michael Rodemer, sculpture, opens Feb. 23, Main Lobby; "World's Fairs," Rare Books Room.

Visual Arts Zoller Gallery: Sculpture Students' Exhibit, through Feb. 28.

From the Press

Benjamin Tompson, Colonial Bard: A Critical Edition. By Peter White. 218 pages. \$16.75.

The life and works of one of the country's early poets, Benjamin Tompson (1642-1714) are examined in this book by Dr. White, a Penn State Ph.D., who is now teaching at The University of New Mexico.

A Harvard graduate and schoolmaster (Cotton Mather was his pupil), Tompson wrote occasional, elegiac and satirical poems. His *New England's Crisis*, describing the 1675-76 war against the Algonquins (in which the poet did first-aid duty) instills journalistic realism into the classical epic form.

Professor White's edition presents 30 poems, three letters and a Latin oration, all annotated. Support for the preparation and publication of this work was provided by the National Endowment for the Humanities.

Search Committee

(Continued from page 1)

continue to build on this success through the 1980s in order to double again the level of private giving to the University as suggested in *A Perspective on the 80s*.

Applications and resumes should be sent by March 31 to Dr. Eugene J. Kelley, Chairperson, Vice President for Development Search Committee, Room 309 Old Main, University Park, PA 16802.



Maurice Andre

Trumpeter to play with Wuernttemberg

The Artists Series will present the Wuernttemberg Chamber Orchestra, under the direction of Jorg Faerber, on Sunday, Feb. 22, in Eisenhower Auditorium.

The performance, a part of the music series, will be highlighted by solo trumpeter Maurice Andre, a Grammy Award nominee in the category of "Best Classical Performance: Instrumental Soloists (with orchestra)." Mr. Andre will perform Concerto for Trumpet and Orchestra in D Major by Stozel and Concerto for Trumpet and Orchestra in D Major by Tartinì. Other works to be performed by the orchestra include Vivaldi's Concerto grosso in D Major, Mendelssohn's Concerto in D Minor for Violin, and Tchaikovsky's Serenade in C Major for Strings.

The Wuernttemberg Chamber Orchestra is a familiar name in Germany, where it regularly appears with renowned guest soloists. The orchestra performs numerous guest concerts and tours in Germany, as well as abroad. Other concert tours have taken the ensemble throughout Europe and Africa. In November 1974, with Mr. Andre as soloist, the ensemble made its first U.S. tour.

Since his debut, Mr. Andre has drawn critical and audience acclaim for his virtuosity on the trumpet. He is known throughout the world for his many recordings and appearances in leading musical centers.

Born in southern France, Mr. Andre graduated with the Prix d'Honneur from the Conservatoire de Paris, and was awarded the First Grand Prize at the International Music Competition of the German Radio in 1963. He went on to serve for eight years as the solo trumpeter for L'Orchestre Radio Television Francaise, and was simultaneously engaged by the Concert Orchestre de Lamoureux.

Mr. Andre's long association with conductor Karl Richter has led to tours in the U.S. and the Soviet Union, Italy, France, Austria and Germany, where he has performed under conductors Herbert Von Karajan and Karl Bohm.

Mr. Andre has appeared in many music festivals, including those of Salzburg, Vienna, Munich, Athens, Oxford and Buenos Aires. He is responsible for bringing many works back into the repertoire, especially such Baroque masterpieces as the Telemann and Torelli concerti. Mr. Andre also holds a professorship at the Conservatoire de Paris.

Tickets for the performance are now on sale at the HUB Book Office and Eisenhower Auditorium box office from 9 a.m. to 4 week days. Phone orders will be accepted on Master Card/VISA at 863-0255.

Elsewhere in Academe

During the 1981-82 academic year, students and their parents will have the dubious pleasure of pioneering five-figure charges for tuition, room and board at such schools as Bennington College, Harvard and Stanford, which were the first to announce that total costs for their undergraduates will be more than \$10,000—a 12 to 15 percent increase over the previous year.

While five-figure charges may not be common, double-digit percentage increases could be, continuing a pattern set last year. Northeastern University, for example, will raise tuition costs in several colleges by 20 percent (to \$4500).

Oregon's Governor has proposed a higher education budget calling for public institutions to boost tuition by 15 percent in each of the next two years. The University of Minnesota increased its general tuition rate by 7 percent during 1980-81 and then was forced to add a 10 percent surcharge for the 1981 quarters because of a deficit in the state treasury.

Increases of 9.1 percent in 1981-82 and 8.6 percent the following year have been proposed by Minnesota's Governor.

According to the government's National Center for Education Statistics, the average percent of increase in undergraduate tuition last year was 11 percent for public universities, 10 percent for other four-year

Personnel analyst calls golf "most challenging" game she's ever played

Why do golfers golf?

Sandy Eriksson, senior classification analyst/operations in the Office of Personnel Administration, wants to find out.

A University graduate student as well as employee, Ms. Eriksson is completing her master's degree program in sports administration with a thesis titled "Motivational Assessment of Golf as a Leisure Activity."

"Some golfers take to the links for social reasons, others to relieve tension, and still others for reasons ranging from loving to develop certain physical skills to just loving to be outside," she says.

To conduct her study — which focuses on why persons of different age groups say they play golf — Ms. Eriksson is using a "Q-sort," a testing process in which her subjects choose from some 75 reasons for playing golf, eventually arriving at the single, "definitive" reason that most precisely sums up their love of the game. And why does Ms. Eriksson, who has a handicap of nine, love to get out on the links?

"Golf is the most challenging game I have ever played," she says, noting that she has sampled a wide variety of sports.

"Once a person has mastered the basic skills, shooting a good game of golf is 98 percent mental and only 2 percent physical."

"I like the game because playing it well requires me to challenge myself — to test my powers of concentration and observation — to my personal limits. There's a lot of satisfaction in being able to meet that kind of self-imposed goal."

Also satisfying to Ms. Eriksson is her University position, which she describes as "very rewarding professionally."

Ms. Eriksson, who is primarily concerned with salary administration as it relates to non-faculty positions, is further engaged in conducting job evaluations, monitoring salary programs and conducting salary surveys for clerical, technical service, staff exempt and staff non-exempt positions.

"This office operates in a highly professional manner," she notes,



Sandy Eriksson (left) serves as a volunteer instructor for the Lady Lions golf team. Here, she offers advice to senior Lady Lion Lynn Marriot.

adding that she enjoys, much as in her golf game, the challenge of performing to the best of her ability.

She also enjoys playing golf courses of professional caliber and catching glimpses into the world of professional golf.

In fact, her master's degree program offered her just those opportunities.

As part of her program, she took a leave of absence to spend a 10-week, six-credit internship at the headquarters of the National Golf Foundation (NGF) in North Palm Beach, Fla., where her project was serving as fourth edition editor of the NGF's 1980 Golf Instructor's Guide.

And, in addition to editing the

comprehensive 148-page Guide, she gained access to several of America's finest courses.

"Playing on the 'Cadillac' courses of southern Florida was a dream come true," she says, explaining that her NGF internship opened the way to "very exclusive" links of "extremely high quality."

She also was able to attend a Ladies' Professional Golf Association Seminar, watch such pros as Patty Berg play and hear first-hand stories about many of the game's greatest personalities.

A native of Connecticut, where she received a B.A. degree in history from Western Connecticut State College, Ms. Eriksson also is interested in the history of golf.

"My ultimate dream is to play the course at St. Andrews, Scotland, where the first golf club was founded in 1774," she says.

Another of her golfing passions is instructing, and she assists, on a volunteer basis, with coaching the Lady Lion golfers.

"Considering the very short outdoor playing season we have in this climate, Penn State's women's golf team really distinguishes itself," she says, noting that the team is traditionally "one of the best in the Northeast."

To help overcome the climate, the University's golfers practice extensively in the Recreation Building, where stations are set up for working on all the fundamental skills, from putting to driving.

"Still, it's not the same as being out on the course, and we're all getting 'cabin fever' and anxiously awaiting those first, beautiful spring days on the links," she says.

"A golfer's game won't suffer as much from the winter interlude," she adds, "and the golfer will avoid being sore after those first outdoor rounds if he or she keeps their body in tone."

She also has one final word of advice: PRACTICE...

"Golf, like any skill, requires practice to maintain consistency," she says, adding that for her to maintain her handicap, she needs to golf about three times per week.

Penn Staters conduct survey of wildlife remaining in Sierra Leone

The first wildlife survey ever made in the West African nation of Sierra Leone reveals a country almost stripped of its formerly abundant animal population.

"There are 2,000 chimpanzees left — not the 6,000 claimed by animal exporters," says Lori Baldwin, whose plans for the survey were first described in a May 1979 issue of *The Penn State Reporter*.

"We estimate that 400 hippos, between 200 and 300 elephants, and fewer than 100 leopards remain. The last lion was shot by a foreign hunter in 1965. There are supposed to be several types of crocodiles in the country, but in six months of searching, we didn't find a single one."

Ms. Baldwin, a wildlife biologist who is the editor of the Behavioral Sciences Film Library at Penn State, conducted the survey from November 1979 to April 1980 with Dr. Geza Teleki, a Penn State Ph.D. now at George Washington University. Their work was sponsored by the New York Zoological Society and the World Wildlife Fund.

In a report to the Sierra Leone government, the researchers recommend a ban on all animal exports pending the establishment of several national parks. They also recommend that Sierra Leone sign existing international trade agreements controlling the import and export of wild animals.

Sierra Leone, which is smaller than South Carolina, has been the leading exporter of animals — particularly chimpanzees — in West Africa.

"The original purpose of the survey was to locate and make a census of chimpanzees," Ms. Baldwin says. "But that quickly turned into a nationwide

survey of large mammals and a study of the remaining wilderness areas to determine conservation priorities for the country."

The threat to the chimps and other wild animals of Sierra Leone is not just trapping and hunting for export and food but the fact that their natural habitat has been all but destroyed by farmers and loggers.

"Since the turn of the century," Ms. Baldwin says, "Sierra Leone's rain forest has shrunk from 18,000 square miles to only 500 square miles. Most of the country is now covered with 'farmbush' — dense thickets of grass and shrubs unsuitable for use by man or animals."

"What you see in Sierra Leone is an 'occasional hill, which still has trees on it, standing isolated while the land all around it is stripped bare. It's like oases in a vast wasteland which contain remnant groups of animals. You'll find, on one of these still-forested hilltops, one or two old chimps — all that are left."

Ms. Baldwin, who has worked in East Africa at the chimpanzee research station established by noted researcher Jane Goodall, says one 380-square-mile section of forest land in the north of Sierra Leone is the largest single area where wildlife can be found.

She and Dr. Teleki recommend that the tract — called Outamba Kilimi — be reserved as the country's first national park.

"The few people who live there are Muslims who will not hunt animals," says Ms. Baldwin. "It's an undeveloped area, and the soil is unsuitable for agriculture, so the local people are in favor of the park. It would mean an increase in government

services such as roads and schools and would provide jobs for local people."

The World Wildlife Fund-U.S., an international conservation organization based in Washington, D.C., is trying to raise \$200,000 to help Sierra Leone establish its first national park. Money would go for roads, bridges and the training of wildlife officers, Ms. Baldwin says.

"The fund-raising goal is really no more than the cost of a house in many affluent U.S. communities," she says. "Put another way, it is costing \$1.22 per acre for the national park."

In addition to disappearing forest, Sierra Leone's animals are threatened by the economics of West African wildlife trade, according to Ms. Baldwin.

"In the capital city of Freetown, one wildlife trader controls most of the animal export business. He pays his representatives in the interior \$1 for a bird or \$30 for a bongo (a large African antelope) and up to \$40 for a chimp."

The bird will bring between \$100 and \$3,000, the bongo from \$40,000 to \$50,000 and the chimp will fetch for the trader up to \$5,000 on the world market.

"When we went into the interior and spoke to some of the tribal chiefs and local people, no one had any idea that animals were worth thousands of dollars. Some of the animal catchers we talked with were quite irate to find they had been getting ripped off."

At least one tribal group has vowed not to procure any more animals for the trader in reaction to the economics lesson given by Ms. Baldwin and Dr. Teleki.

Public radio will be reality by '82-'83

Public radio at Penn State moved a little closer with the University's application to the Federal Communications Commission for a construction permit.

The application was filed last month after a frequency search conducted for an available channel on which to broadcast.

The station could be on the air sometime between July 1982 and April 1983, according to Marlowe Froke, director of the Division of Media and Learning Resources.

The proposed broadcast facility would operate at a frequency of 820 kilohertz on the AM radio band, Mr. Froke said. Its power would be 50,000 watts during daylight hours and 5,000 watts at night.

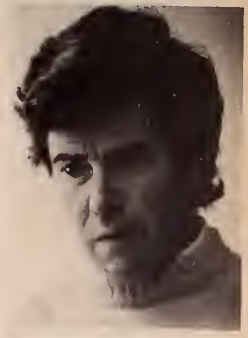
The signal would reach north to the New York State line, south to the Maryland border, east to Wilkes-Barre and Lebanon and as far west as Johnstown.

"The University has taken advantage of recent FCC rule changes that permit additional stations on frequencies that had been reserved for 'clear channel' stations," Mr. Froke explained, adding that an AM radio signal is more effective than FM in the mountainous terrain of central Pennsylvania.

Programming plans for the station are diverse, including credit and informal course offerings, cultural programming, and public affairs. In addition, in-school services that complement and supplement the in-school programming of WPS-TV will be offered.

"The station will greatly enhance the public service aspect of the University's mission," Mr. Froke predicted.

Penn State Intercom



Faculty Scholar medals designed by John Cook, professor of art, will be awarded to Gerard J. Brault, top left; Hiroshi Ohmoto, bottom left; Peter R. Gould, top right; and John Waldhausen.

Four faculty members are chosen to receive the first Scholar Medals for their outstanding achievements

Four Penn State faculty members will receive The Faculty Scholar Medal for Outstanding Achievement for 1981, President Oswald announced today.

They are Dr. Gerard J. Brault, professor of French; Dr. John A. Waldhausen, professor and chairman of the Department of Surgery; Dr. Peter R. Gould, professor of geography; and Dr. Hiroshi Ohmoto, professor of geochemistry.

Presented for the first time this year, the medal honors scholarly excellence represented by a single contribution or series of related contributions in one of four areas — arts and humanities, life and health sciences, physical sciences and engineering, or social and behavioral sciences. Each award consists of a medal

and a check for \$1,000.

"All four of these faculty members have brought honor to themselves and to Penn State through scholarly contributions in their respective fields," Dr. Oswald said. "All have exemplified the highest professional standards in carrying out the work for which they are being honored."

The awards honor scientific research, achievements in the arts or humanities, or creation of a device or process useful to society. Each contribution must have occurred in, or culminated during, the three years preceding the recipient's nomination.

Dr. Brault is being honored for his two-volume analytical edition and translation of *The Song of Roland*, the 12th-century

poem, published in 1978 by The Pennsylvania State University Press. It was the culmination of seven years of research.

Published to coincide with the 1200th anniversary of the Battle of Roncevaux, the historical event in 778 which inspired the poem, Dr. Brault's edition reviews all previous scholarship on the subject and gives the first systematic analysis ever made of the entire text.

"Reviewers have called Dr. Brault's analytical edition 'magisterial,' 'indispensable,' and 'the most thorough and comprehensive study of this greatest work of medieval French literature,'" his citation notes.

The edition was named an Outstanding

Academic Book of 1979 by *Choice*, publication of the Association of College and Research Libraries.

Dr. Brault joined the Penn State faculty in 1965 and served as head of the Department of French from 1965-70. He is a Fellow of the Institute for the Arts and Humanistic Studies and recently was named Officer in the National Order of Merit by the French Government.

Dr. Waldhausen is being recognized for his creation of a new therapy, both medical and surgical, for the treatment of congenital coarctation (or narrowing) of the aorta in infants. It is the fifth most common congenital heart defect.

According to Dr. Waldhausen's citation, (Continued on page 6)

Senators to discuss PS-23 issues

Legislative recommendations from the Committees on Undergraduate Instruction and Committees and Rules, as well as a historic session on proposed changes to PS-23, will confront senators as they assemble March 3 at 2:10 p.m. in Room 112 Kern Building.

Faculty members who are not senators may participate in the Forensic Session by notifying the Senate Office four days in advance of the March 3 meeting. The recommendations and the issues they address are printed on page 5.

BDR III "breadth areas" (Arts, Humanities, Natural Sciences, Social and Behavioral Sciences).

Because they affect the Senate's *Constitution and Bylaws*, three Committees and Rules' legislative reports were held over from the February meeting.

The first report recommends a semantic change — the substituting of the word "authority" where the word "responsibility" appears in the *Constitution and Bylaws*. According to Chairman Sally Small of Committees and Rules, members felt that "authority" is delegated to a receiving unit, which then has "responsibility."

The second proposal recommends the elimination of the Senate Committee on Intra-University Relations, while the third (Continued on page 5)

Nominations requested for awards

Nominations have been requested for three major annual awards at the University: The McKay Donkin Award, The John E. Wilkinson Award for Administrative Excellence and the Barash Award for Human Service.

President Oswald has appointed a general committee to coordinate nominations, chaired by Steve A. Garban, vice president and controller of the University. The committee will review all nominations, which should be sent to Room 408 Old Main by March 27.

"Nominations are encouraged from organizations and individuals in both the University and the community," Mr. Garban says. "Information accompanying nominations should be as brief as possible and should stress qualities relevant to the award."

Three subcommittees will screen nominations and develop recommendations for the respective awards. Members of the Wilkinson Award Subcommittee are: Rosemary Schraer, assistant provost, chairperson; Dean James B. Bartoo, Graduate School; Doris M. Seward, executive assistant to the President; and Ralph E. Zilly, vice president for business.

Members of the Donkin Award Subcommittee are: Ray T. Fortunato, assistant vice president for personnel administration, chairperson; Dean Stuart Forth, University Libraries; and Caralynne Schengrund, associate professor of biological chemistry, Hershey.

For the Barash Award, the subcommittee members are: Henry L. (Continued on page 6)

The first item on the docket is an informational report from Curricular Affairs outlining procedures for adding courses to and deleting courses from the

Penn Staters

Dr. Richard L. Gordon, professor of mineral economics, has received the 1981 Mineral Economics Award of the American Institute of Mining, Metallurgical, and Petroleum Engineers. He was cited for "his thoughtful and rigorous economic analyses presented in books, papers and teaching which have provided an outstanding guide toward a more rational allocation of society's scarce resources, to meet the world's fuel needs, especially coal, and for his leadership as chairman in 1973, which strengthened the Council of Economics of AIME."

John Balaban, associate professor of English, presented a reading from his poems on Feb. 9 at the New York Shakespeare Festival Public Theatre, which is directed by Joseph Papp. As a participant in the "Poets at the Public" series, Professor Balaban read from his forthcoming book, *Blue Mountain*, and from his Lamont Award-winning *After Our War*.

Dr. John J. Cahir, professor of meteorology and associate dean for resident instruction in the College of Earth and Mineral Sciences, has been elected a Fellow of the American Meteorological Society (AMS). Election to the grade of Fellow, an honor that has been accorded to only about 4 percent of the 8,000 AMS members, recognizes outstanding contributions to the science or application of meteorology, climatology and other areas of atmospheric science over a period of years.

Dr. Richard M. DiRuzza has been named dean of student affairs at the Beaver Campus. He received his M.Ed. degree in student personnel services in higher education and Ph.D. in higher education administration at Kent State University. He was associate dean of students at Baldwin-Wallace College, Berea, Ohio, for three years and has served as acting dean of student affairs at Beaver since August 1980.

Dr. Della M. Roy, professor of materials science, recently participated in a NATO-sponsored conference on problems of adhesion in concrete, held at St. Remyls-Cherveux, France. She presented a lecture on "Adhesion of Cement Material to Aggregate as It Affects Future Demolition of Properties."

Dr. Arthur H. Patterson, associate professor of environment and behavior, and Dr. Nora Newcombe, assistant professor of psychology, are editors of a book entitled *Spatial Representation and the Behavior Across the Life Span: Theory and Application*.

Dr. Lynn S. Liben of the University of Pittsburgh, a former Penn State faculty member, also edited the 404-page book, which has been published by Academic Press as part of its developmental psychology series.

The book is intended as a resource for scholars, graduate students and practitioners concerned with various aspects of space, including its psychological representation, design and influence on behavior.

Promotions

Staff Exempt

Vicki K. Carter to senior systems analyst-technical support in Management Services. George A. Hussey Jr. to State leader, Extension data systems in Agriculture. Linda E. Mace to coordinator of management systems in Continuing Education. Raymon J. Masters to lead research programmer in Intercollegiate Research Programs.

Staff Non-Exempt

Pamela J. Douglas to supervisor, Medical Center payroll at Hershey.

Mary Lou Eskew to senior research aide in Intercollegiate Research Programs. Jonathan E. Gardner to cardiovascular technician at Hershey. Patricia A. Pichini to supervisor, operations control at Hershey. Vincent X. Rabatin to laboratory assistant/programmer in Intercollegiate Research Programs.

Clerical

Linda Bronson to clerk, invoice B in Business Services. Carol Fee to secretary A in Earth and Mineral Sciences. Vera F. Freed to secretary A at Hershey. Carolyn A. Kresen to secretary B in Intercollegiate Research Programs. Linda C. Plonzer to data preparation operator B in Alumni Administration. Joan Reish to secretary A in Planning and Budget.

Technical Service

Mary J. Stover to operator, sewing room in Housing and Food Services. Lynn A. Wason to milk processor in Agriculture.

Staff Development

Fifty-one members of the University's clerical staff have completed the six-week Clerical Enrichment program offered through the Office of Personnel Administration. One program was conducted from Oct. 30 through Dec. 11, and two were given from Jan. 14 to Feb. 18.

Participants were: Cindy Coslo, correspondence typist A. Physical Plant; Nancy Derk, clerk typist B, Continuing Education; Darla Franks, clerk, curriculum material, Education; Lori McDowell, clerk typist B, Continuing Education; Phyllis McGarvey, receptionist, clerk A, ARL; Carmen McLaughlin, clerk typist A, Liberal Arts; Janet Page, clerk B, Business Services; Barbara Pruency, clerk typist A, Physical Plant; Shirley Thompson, clerk A, Business Services.

Betsy Barto, drafting room clerk B, Physical Plant; Patty Bierbaum, clerk typist A, Personnel Administration; Susan Broadwater, stenographer A, Science; Diana Bucha, clerk typist B, Arts & Architecture; Connie Decker, fee receipts clerk, Registrar; Cindy Dunmire, clerk typist B, Libraries; Kathy Green, clerk A, Libraries; Debbie Hamilton, clerk A, service desk, Physical Plant.

Cheryl Heasley, clerk typist A, Agriculture; Carol Hendershot, clerk typist A, Continuing Education; Judy Hoy, clerk typist A, Agriculture; Sandra Lowery, clerk A, Agriculture; Laurel Loy, audio visual materials clerk B, Continuing Education; Sylvia Malone, clerk typist B, Registrar; Robin Moyer, clerk B, IRP; Karen Penland, clerk typist B, Engineering; Janis Rudy, correspondence typist A, Physical Plant.

Nancy Sabol, technical secretary C, Science; Susan Shockowitz, secretary C, Liberal Arts; Paula Tutekay, clerk, production A, Housing & Food Services; Margaret Zimmerman, secretary C, HPER.

Norma Beck, clerk B, Student Administration Services; Marie Cole, technical secretary, ARL; Linette Courtney, secretary C, President's Office; Bonnie Davis, secretary C, Continuing Education; Susan Del Ponte, secretary C, Science; Kathy Dorman, clerk B, Student Administrative Services; Joan Emmanuel, technical secretary, ARL; Lisa Fayewicz, clerk typist B, Engineering.

Kathy Fishel, data processing clerk A, Continuing Education; Ellen Gfroehrer, clerk typist A, Continuing Education; Jeanne Gray, receptionist, typist A, Liberal Arts; Phyllis Hockenberry, secretary C, Human Development; Pam Kennedy, receptionist, typist A, Human Development; Elaine Krug, secretary C, President's Office; Mary Long, secretary C, Human Development.

Dorothy McClintock, accounting clerk A, Controller; Olga Mueller, secretary C,

Anybody There?

The Department of German, in cooperation with other departments, plans to hold a conference on the writer B. Traven (*The Death Ship, The Treasure of the Sierra Madre*) on the occasion of his 100th birthday in the Fall of 1982. Anybody who wants to participate or has suggestions concerning the structure and content of the symposium should contact Ernst Schurer, (865-5481), 5324 Burrows Blvd., University Park, Pa. 16802.

Liberal Arts: Diane Neidigh, clerk typist B, Agriculture; Barbara Reese, accounting clerk B, Business Services; Joan Shellington, secretary C, Engineering; Lisa Spotts, clerk typist B, Agriculture.

Partings

Carrie K. Grenoble, general helper in the Office of Business Services, will retire March 1 after working for the University since July 1, 1953.

"I'm looking forward to just plain resting," says Mrs. Grenoble, whose husband, Willard W., is a general poultry worker in the College of Agriculture's poultry plant.

Mrs. Grenoble—who works in the printing and communication services division—notes that although she doesn't normally follow football, she does follow the Nittany Lions closely each season. But my favorite sport is baseball—I'm a great fan of the Pittsburgh Pirates and I'm really hoping they can come back next year," she says.

Eva L. Meredith, secretary in Intercollegiate Research Programs, will retire March 1 after nearly 12 years of University employment.

Albert G. Neidrick, family housing project worker in the Department of Housing and Food Services, will retire March 1 after 10 years as an employee.

Jeanette E. Robinson, laboratory assistant in the College of Agriculture, will retire March 3 after working for the University almost 17 years.

Paul H. Neff, an electronic designer in Engineering since Feb. 1, 1960, left the University on Feb. 17.

Norman K. Skinner, a maintenance worker at O'Keefe, will retire March 1 after working at the Campus since Oct. 25, 1971.

Obituaries

Charles B. Manula, professor of mining engineering, died Feb. 20. He was 50 years old.

A member of the University faculty since 1964, Professor Manula received his B.S. and M.S. degrees in mining engineering from Penn State in 1958 and 1963. Prior to joining the faculty, he worked in the mining industry for some 10 years.

From October 1968 to January 1971, Professor Manula was on a leave of absence during which he served as Deputy Secretary of the Pennsylvania Department of Mines and Mineral Industries, Bituminous Coal Division.

As a recognized pioneer in conducting research on computer simulation of mining systems, he was responsible for the development of the computer models for underground and surface mining operations that are the standard for the industry today.

Most recently, Professor Manula had been conducting studies into the feasibility of deep open pit mining of anthracite coal in Pennsylvania.

Mildred W. Nicholas, a secretary in the College of Agriculture when she retired in 1958, died Jan. 24 at the age of 88. She was employed by the University from 1943 until her retirement.

Reserve duty time-off information

Editor's note: The following article has been prepared by the Office of Personnel Administration.

Pennsylvania law now provides that regular University faculty or staff members who are members of the United States military reserve or the Pennsylvania National Guard who are absent from work for short-term, active duty or field training shall receive University pay for such absences, up to certain limits (see below). Also, vacation earnings shall not be charged for such absences, up to the same limits. There is no reduction in University pay for such time off to the limits specified. In addition, the individual retains his or her reserve or National Guard pay.

Military reservists are limited to University pay for absences from work of up to 15 days in a calendar year for active duty service or required field training, or a combination thereof. There is no limit on paid time off in a year for active duty for Pennsylvania National Guard members. However, such individuals are limited to up to 15 days of University pay a calendar year for absences for required field training. The absences from work do not have to be consecutive to qualify. However, University approved absences for duty or training in excess of the limits described are charged as leaves without pay or to accumulated vacation as appropriate.

These provisions are retroactive to Jan. 1, 1980. Any regular faculty or staff member who took a leave of absence without pay or who charged vacation accumulation for absence for military reserve or Pennsylvania National Guard active duty or field training since Jan. 1, 1980, should contact his or her personnel representative or Commonwealth Campus business manager, as appropriate, so that suitable reimbursement or vacation balance adjustment can be made as applicable. Reinstated vacation may in some cases cause vacation accumulations to exceed the stated allowable maximums. Over-the-maximum vacation accumulations will be allowable for such individuals. However, it is expected that normal allowable maximums will be in effect again for them by Dec. 31, 1981.

For future such absences, or for retroactive reimbursements or adjustment for past absences to Jan. 1, 1980, copies of the authorization or orders mandating the absences, and copies of the military pay vouchers for the periods of the absences, are required.

This article is not intended to be definitive of University policy. It is intended to provide information to those affected so that they may contact their personnel representatives or Commonwealth Campus business manager, as appropriate, if adjustments are necessary, and to understand the new policy application for the future. The applicable University policy will be revised and reissued. Questions regarding this change in University policy should be directed to personnel representatives or Commonwealth Campus business managers, as appropriate.

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Millions of pieces of mail no problem for these staffers

Ever hear of "nixie mail"?

James McKivison has. During the last fiscal year, his division handled some 1,250,000 pieces of it.

"Nixie mail" is postal service slang for mail which carries the correct zip code but which is incompletely addressed. When it arrives at Penn State, it lands on the doorstep of Mailing Services, where Mr. McKivison is the manager.

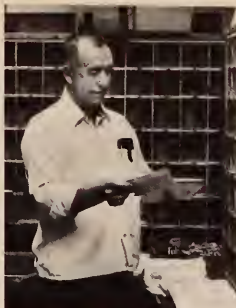
Most of Penn State's "nixie mail" (from the German *nichts*, meaning nothing, no one) includes the employee's name and department but does not provide the name of a building and/or room number.

"Because the U.S. Postal Service delivers most incoming mail directly to campus buildings, that portion of the address is essential," Mr. McKivison explains. "It would be helpful if we could get employees to include a complete return address on all off-campus correspondence."

Dealing with the "nixie mail" problem is clerk Harold Shope, whose job it is to look up building addresses and then send the mail on to its recipients through the interdepartmental mail system.

Some 2,600,000 pieces of interoffice mail pass through this system, which is also operated by Mailing Services, under the direction of group leader Glenn Metz.

Three carriers — Roy Swineford, Nick Grossman and Glen Glunt — handle this huge volume of mail — totaling about 3,850,000 pieces annually. Steve Pagano and Jim Schreck are alternate carriers.



"Nixie mail" clerk Harold Shope sorts mail into the proper bins after adding missing campus addresses to each letter.

"Each carrier usually covers his scheduled route twice daily," Mr. McKivison explains. The University's mail trucks are equipped with bins, so as mail is brought out from a building, it can be sorted immediately. Instead of having to bring the mail back into the Business Services Building (where Mailing Services is located), the drivers can exchange bins right out of their trucks.

In addition to interdepartmental mail, the carriers pick up out-going U.S. mail (another 3,700,000 pieces), United Parcel



Addressing Services employees Steve Pagano (left), utility and relief worker, and Roger Cartright, group leader, use this machine to attach address labels to a recent edition of *INTLRC OM*. Personnel also help prepare mailings, making labels and stuffing envelopes.

Service items and mail for other carrier services such as Federal Express.

Out-going mail and parcels are metered in Mailing Services, which must keep careful records to compile monthly postage-due statements for Penn State's various departments. While different departments use vastly differing amounts of postage, the University's total expenditure for postage during the 1979-80 fiscal year was \$1,287,000.

Closely related to Mailing Services and sharing the same of fice space is

Addressing Services. Directed by group leader Roger Cartright, this is a separate operation, although it reports to Mr. McKivison.

To illustrate the relationship between the two operations, Mr. McKivison notes that personnel in Addressing Services often help prepare mailings, making address labels, stuffing and labeling envelopes, and sorting pieces for mailing. Address labels are printed by computer and affixed to mail primarily by machine. Some 5,475,000 pieces of mail were handled in Addressing Services during fiscal '79-'80.

"In the last five to six years, we've had a 60 percent increase in our production level," says Mr. McKivison, "and we've done this with just about exactly the same number of personnel" (nine full-time and two part-time in Mailing Services; six full-time and several part-time in Addressing Services, plus Mr. McKivison).

He attributes this not only to modern equipment — the University owns some of the very best available — but more importantly, to "good personnel who really know how to operate it."

Mr. McKivison points to Bernie Kyler, senior clerk and his assistant, "as invaluable to the success of the operation. She fills in for me when I'm out of the office or otherwise tied up, and without fail, she always does a very good job."

In fact, our entire labor force is great, better than it's ever been," he continues. And Mr. McKivison should know — he's worked in Mailing and Addressing Services for 28 years and was the second full-time employee hired there.

Metering the outgoing mail are, from left, Doris Huckabee, mail clerk; Bernie Kyler, senior clerk; Glenn Metz, Mailing Services group leader; and Don McFarland, mail clerk.



"Good deed" by a Behrend employee is rewarded

Making it home on Feb. 10 was not easy for any of the faculty and staff of Behrend College as they struggled through the more than two feet of deep and drifting snow which hit the Erie area.

But for one employee, residence hall worker Dorothy Barnett, getting there was only half the fun!

After taking six detours and eventually walking the last half mile, Mrs. Barnett arrived home to find a school bus filled with small children parked nearby.

"The motor was dead, and the bus driver and the little kids had already been sitting in there for two hours," she said. "They certainly weren't going to sit out

there in the cold, while I had a home to keep them warm."

When she entered her house, Mrs. Barnett found that her youngest son had already invited three stranded snowplow drivers in. She also went out to ask all the people stranded in cars along the road to come inside, bringing the number of her marooned guests to close to 40.

While Mrs. Barnett prepared soup and sandwiches, some of the children called their parents to let them know they were safe; other children who lived nearby were transported to their homes by volunteer firemen and snowmobilers. The last of the guests departed about 12:30 that evening.

"If I had to do it over again, I certainly would," Dorothy Barnett says of her experience. "You always get paid for your good deeds."

And her "payment" arrived on Valentine's Day when she came home and again noticed the school bus parked by her house. However, this time she was greeted by the same "little laughing school children" who presented her with homemade valentines and candy. Accompanying the children was the bus driver, who also had a gift for Mrs. Barnett — \$50 — half of the amount of his overtime pay.

Winter Term graduates number more than 1000

More than 1,300 graduates are scheduled to receive degrees at Winter Term commencement exercises Sunday, March 8, at 1:30 p.m. in Recreation Building.

President Oswald will preside over the exercises, and will be assisted in conferring degrees by Provost Eddy and Walter Conti, vice president of the Board of Trustees. Dr. Eddy will address the graduates.

Among the candidates for degrees are 1,122 seniors qualifying for baccalaureate degrees; 388 candidates for master's degrees; and 125 doctoral students.

Issues identified for March 3 Senate forensic session

In order to help focus the discussion of the Commission's recommendations, the Faculty Affairs Committee has identified critical issues for each of these recommendations. While discussion need not be limited to these issues, it would be helpful if some comments did address them.

Recommendation 4. Responsibilities of the Various Review Levels

ISSUE: Should review committees at college and university levels make substantive judgments concerning the academic merits of a candidate for promotion and tenure or address themselves to the procedural adequacy of initial level reviews (looking for documentation and equity across departments, colleges and campuses)?

The present policy is ambiguous. Current practice does allow substantive reviews. Among the questions are 1) Whether people outside a candidate's field who are not familiar with the candidate's work are in a position to make substantive academic judgments about the candidate? 2) Should initial level reviews be determinative with regard to substance?

Recommendation 5. Dean's Veto

ISSUE: Should Deans have the authority to terminate a faculty member's candidacy for promotion and tenure?

Under present policy Deans may do so. In the case of University Park faculty, a College Dean alone can terminate the promotion or tenure of a candidate even when all other recommendations are

positive. In the case of Commonwealth Campus faculty, it takes a joint agreement between the College Dean and the Vice President/Dean for Commonwealth Campuses and Continuing Education. In June, 1978, the Senate recommended that the Dean's veto power be eliminated. The Commission's recommendation is that the Dean be required to explain a decision to veto.

Recommendation 6. General University Criteria

ISSUES: Should there be a "mission statement" in PS-23? Who decides the "weighting" of criteria referred to in the policy? (And how can we ensure that the candidate and all review committees share common expectations in this area?) Should "creative activity" be part of the title of the second criterion (research)?

Recommendation 7. Teaching Evaluations

ISSUES: (1) Who should decide the method or forms of evaluation? (2) Should there be department-wide forms, college forms, University-wide forms? (3) Should there be policies concerning the administration of student evaluations and the presentation of the results?

Present policy requires faculty input and two forms of student evaluations. In some cases the practice of a unit requires a particular form or a particular presentation of a given form. Some parts of this policy may conflict with other Senate legislation on teaching evaluation. There is no policy concerning administration or presentation of student evaluations.

Recommendation 8. (Two Parts) Monitoring of the Promotion and Tenure Review Process and Continuation of the Promotion and Tenure Review Commission

ISSUE: Who should monitor the process and policy of promotion and tenure? The Commission has recommended that the Promotion and Tenure Review Commission assume this task (in consultation with the Provost's Office and the Faculty Affairs Committee of the University Faculty Senate).

Statements of Criteria and Expectations

ISSUES: (1) Should there be guidelines for these statements and or "model" statements for the units to follow? (2) Who should develop these guidelines or models? (3) Who should decide whether criteria satisfy guidelines? (4) How are cases of conflict to be decided?

Problems: (1) Current statements vary widely in specificity and usefulness. (2) Some criteria that apply to a particular faculty member may contradict each other.

Recommendation 9. Implementation of Changes in PS-23 and Incorporation of Guidelines into Policy

ISSUE: Should "Administrative Guidelines" remain a separate document or should the basic points be incorporated into PS-23 itself; who should decide what the "basic points" are?

Senate

(Continued from page 1)

transfers IRC's duties to Senate Council and makes some other present Council duties more specific.

The Committee's fourth legislative report would add a paragraph to the Senate's *Standing Rules*.

The addition states that elected members of Senate Council cannot serve on the Committee on Committees and Rules; also Committees and Rules and Senate Council members may not serve as members of standing committees of the Senate, except in ex officio capacities.

The Committee feels that these changes will help spread the workload and power base of the Senate among more of its members.

"At the present time," the Committee report says, "there is too great a tendency to rely upon the same senators year-in and year-out for all assignments."

Senators will have a chance to act on three recommendations prepared by a Subcommittee on the Impact on Undergraduate Instruction of Teaching Performed by Graduate Student Teaching Assistants. This group presented an informational report at the October Senate meeting.

The first recommendation stipulates that teaching assistants without prior teaching experience must attend a teaching training program. College deans would be responsible for supervision of these programs, while program heads would systematically evaluate their TAs' performance in the classroom.

The quality of a TA's spoken English is addressed in the second recommendation, which asks program heads to obtain evaluations from the Center for English as a Second Language for all graduate student teachers whose first language is not English.

The third recommendation suggests that freshmen be informed during orientation that, in some instances, instruction will be provided by TAs.

The Forensic Session will permit full discussion of the recommendations made by the Joint Senate/Administrative Commission to Review and Make Recommendations on University Policy Governing Promotion and Tenure. The Commission report appeared in the March 13, 1980, edition of INTERCOM.

The first three recommendations of the Commission were reported out by the Committee on Faculty Affairs last June, and several of the proposed changes in PS-23 were then approved by the Senate and later implemented by the University Administration.

New State Retirement Handbook available

The Pennsylvania State Employees' Retirement system (SERS) Member's Handbook has been revised, and all faculty and staff members who belong to SERS will receive a copy through interoffice mail. The last edition was prepared in 1976.

The booklet is very informative, according to the Office of Personnel Administration, and members are encouraged to read it and retain it with other important papers for future reference.

Any employee who has questions about the booklet or who is a member of SERS and does not receive a copy should contact the Employee Benefits Division, Room 133 Willard Building (865-1473).

Next Intercom March 12

This is the last issue of INTERCOM for the Winter Term. The next issue will appear March 12.

24 Research Initiation Grants awarded to faculty

Twenty-four faculty members have been awarded one-year Research Initiation Grants from a fund approved by President Oswald. The grants, ranging from \$2,500 to \$5,000, are part of a program to encourage and support research and other creative work.

Faculty members at all campuses who had not accumulated more than two years of service before September 1981 were eligible for the 1981-82 RIC grants.

"We award these funds to support lines of research that may lead to external sponsorship," says Dr. Richard G. Cunningham, vice president for research and graduate studies, who administers the program.

A committee consisting of Edward H. Kleivans, Herbert M. Lundgren, John R. Nesselrode, Forrest J. Remick (ex officio), Paul H. Rigby (chairman) and Leonard N. Zimmerman reviewed and screened 70 proposals.

Faculty members receiving grants and their proposal titles are:

Richard N. Artica, assistant professor of olericulture — Carbon dioxide absorption by plant roots and its effects on photosynthesis; Anthony J. Baratta, assistant professor of nuclear engineering — The effect of hydrogen and deuterium on electron scattering in copper; Daniel J. Brass, assistant professor of organizational behavior — Spatial and network relationships, contexts for job characteristics and worker satisfaction;

Moses H. W. Chan, assistant professor of physics — Orientational ordering of two dimensional molecular films; M. Jeya Chandra, assistant professor of industrial engineering — Comparison of queueing disciplines in a multiple finite source queueing model with a single server; David R. Chase, associate professor of recreation and parks — Role conflicts of the traveling craftsman: artist, entrepreneur or entertainer? Kathleen B. Evensen, assistant professor of postharvest physiology — The effects of calcium on plant senescence;

Andris Freivalds, assistant professor of industrial engineering — Quantification of dynamic muscle strength; Raymond R. Fripp, assistant professor of pediatrics — The influence of the central nervous system on digoxin-induced cardiac arrhythmias in the neonatal pig; Thomas W. Gardner, assistant professor of geology — Hillslope evolution of reclaimed spoils piles from surface coal mining;

E. Earl Graham, associate professor of chemical engineering — Protein separation studies using ion exchange resins;

Christine M. Gregg, assistant professor of biology — The possible role of cerebrospinal fluid vasopressin concentration as a factor regulating vasopressin release; Sharon J. Laskowski, assistant professor of computer science — The heuristic approach to problems in computational complexity;

Susan M. McHale, assistant professor

of human development — Interactions of children with handicapped and non-handicapped siblings; Andrea M. Mastro, assistant professor of microbiology and cell biology — Endogenous membrane phosphorylation in lymphoma cells and in primary lymphocyte cultures; Gary L. Messing, assistant professor of ceramic science — Phase transformation enhanced sintering; Linda P. Miller, assistant professor of English (Berks) — A biography of Gerald and Sara Murphy;

Steven B. Mizel, associate professor of immunology — Biochemical studies on lymphocyte activating factor (Interleukin 1); L. M. Royleman, associate professor of electrical engineering — Direct fault location in electrical power systems; James P. Runt, assistant professor of polymer science — Studies of the fatigue fracture in polymers; the effect of microstructure; David J. Spector, assistant professor of microbiology — Messenger RNA synthesis in permeable cells;

Richard G. Stoker, assistant professor of communication disorders — A comparative evaluation of two methods used to teach speech to deaf children using a stimulation technique; Terrance M. Wilson, associate professor of veterinary science — Diethylstilbestrol and transplacental implications in hamsters; Richard S. K. Young, assistant professor of pediatrics — Prenatal brain damage due to bacterial infections.

Sociology Department major reaccredited for next seven years

The Undergraduate Social Welfare Program, one of two undergraduate majors within the Department of Sociology, has been reaccredited for a seven-year period by the Council on Social Work Education (CSWE).

A report issued after an on-site visit by CSWE representatives praised faculty members in the program in terms of their

professional qualifications, their interaction with students and attention to advising. Also cited were the "well designed and integrated curriculum" and the program's excellent working relationship with field placement agencies.

The accreditation of the baccalaureate program enables a graduate to qualify for

advanced standing in more than half of the accredited graduate schools of social work, reducing the time required to obtain an MSW from two academic years to one academic year and a summer. Graduates also become eligible for a range of employment opportunities which require that the applicant be a graduate from an accredited social work program.

University Park Calendar

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Feb. 26 - March 15 Special Events

Thursday, Feb. 26
Final examinations. Also Feb. 27 & 28, March 2.
O Film, Reed, *The Third Man*, 7 and 9 p.m., HUB Assembly Hall.

Saturday, Feb. 28
Sports: bowling vs. Bloomsburg, 1 p.m.; volleyball (men) vs. Ohio State, 7 p.m.

Tuesday, March 3
Neutron Activation Analysis workshop, 8:30 a.m.-4:30 p.m., Breazeale Nuclear Reactor.
Sign-up, Dale C. Raupach, 865-6352.
University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.
Residence Halls close for Winter Term, 3 p.m.

Wednesday, March 4
Neutron Activation Analysis workshop, 8:30 a.m.-4 p.m., Breazeale Nuclear Reactor.

Thursday, March 5
College of Agriculture-Gamma Sigma Delta lecture, 4:30 p.m., Room 112 Kern. Dr. Clifford R. Wharton, chancellor, SUNY, on "Four Challenges for Agricultural Development."

Saturday, March 7
Sports: fencing (men) vs. Carnegie-Mellon, 1 p.m.; basketball (women), EAIW First-Round Games.

Sunday, March 8
Student arrival date for Spring Term. Residence Halls open, 10 a.m.
Winter Term Commencement, 1:30 p.m., Rec. Hall.

Monday, March 9
Orientation and advising.
Registration of faculty studies in Pattee Library, 7:15 a.m., Room 106 Central Pattee.
Public seminar, 2 p.m., Room 204 Keller Bldg.: Carol Smith, Robert Strauss, James D. Rodgers (economics) and Michael Wasylenko (economics), Pa. Tax Commission affiliates, on "Pa. Tax Commission's Recommendations for State and Local Tax Reform."
Interdisciplinary Symposium on Value, 7:30 p.m., Room 101 Kern. Roy C. Buck, sociology, on "The Ethics of Nostalgia."

Tuesday, March 10
Registration for Spring Term, 8 a.m.-5 p.m., IM Bldg.
Registration for Summer Term 1981, Room 112 Shields, through April 1.
Gallery Talk, 10:30 a.m., Museum of Art.
Robert M. Doty, director, *The Currier Gallery of Art*, on "The Search for an Image: Abstraction in American Painting in Mid-Twentieth Century."
Sports: volleyball (men) vs. East Stroudsburg, 7 p.m.

Wednesday, March 11
Registration for Spring Term, 8 a.m.-5 p.m., IM Bldg.



Spring patterns - Photo by Scott Johnson.

Bldg.
Robeson Film Series, *Black Britannica*, with introduction and discussion by producer of the film, Musindo Mwinyipembe, 7:30 p.m., Robeson Center.
Sports: gymnastics (women) vs. Utah, 8 p.m.

Thursday, March 12
Spring Term classes begin, 8 a.m.
Orientation tours of Pattee Library: 9 and 11 a.m.; 1 and 3 p.m.
Drop/Add, 1-4 p.m., HUB Station

Friday, March 13
Drop/Add, 9 a.m.-4 p.m., HUB Station.
Orientation tours of Pattee Library: 9 and 11 a.m.; 1 and 3 p.m.

Saturday, March 14
Sports: ice hockey vs. Binghamton, 3:30 p.m.; gymnastics (men and women) vs. Pittsburgh, 8 p.m.
Artist Series, New York Woodwind Quintet, 8:30 p.m., Schwab Auditorium.

Sunday, March 15
Free U., registration, 11 a.m.-3 p.m., Room 225 HUB.
University Chapel Service, 11 a.m., Eisenhower Chapel. Lynn Shivers, Society of Friends, Philadelphia, speaker.

Sports: tennis (men) vs. George Washington, 1 p.m.

Seminars

Thursday, Feb. 26
Computer Science. Karen Chase, computer science, on "Join Graphs and Acyclic Database Schemes," 4 p.m., Room 325 Whitmore (new listing).

Tuesday, March 3
Microcomputer User's Group, 7:30 p.m., Room 169 MRL.

Thursday, March 10
Applied Research Laboratory. Ralph Seely, engineering research, ARL, on "Switching Mode Power Supplies," 10:45 a.m., Walker Conference Room, Applied Science Bldg.
Organic/Inorganic Chemistry, D. Murphy, Bell Laboratories, on "Lithium Intercalation Chemistry," 8 p.m., Room 333 Whitmore.

Wednesday, March 11
Ecology. Ruth Buskirk, Univ. of Texas-Austin, on "Unusual Animal Behavior and Earthquake Prediction," 11:10 a.m., Room 8 Mueller.

Thursday, March 12
Chemistry. Dennis Evans, Univ. of Wisconsin, on "Recent Studies in Mechanistic Organic Electrochemistry," 12:45 p.m., Room 333 Whitmore.

Physics. Eli Burstein, Univ. of Pennsylvania, on "Surface Raman Scattering," 3:55 p.m., Room 445 Davey.

Acoustics. Constance Garetas, grad. asst., noise control lab., on "A New Method for Measuring the Acoustic Impedance of the Ground," 4 p.m., Room 73 Willard.

Exhibits

Chambers Gallery: Eduard Betenas, sculpture: Frank Chetelat, mixed media, both open March 12.

Kern Gallery: Sandra Leitzinger, watercolors, Mary Stokrocki, drawings and photographs, both through Feb. 27. Nancy Ziegenfuss, ceramics, through Feb. 28.

Museum of Art: European works from the permanent collection; "All That Is Glorious Around Us," paintings from the Hudson River School; selections from the Pre-Columbian and Oriental collections, through March 15.

Pattee Library: Charles Emlen, sculpture, East Corridor Gallery. Milwaukee's Lakemont Planning and Design Competition: The Design Pools, through March 15; John Wilson, photographs, open March 15. Lending Services Lobby. Randy Cleaver and Michael Rodemer, sculpture, Main Lobby. "World's Fairs," through March 13. Rare Books Room.

Visual Arts Zoller Gallery: Sculpture Students' Exhibit, through Feb. 28.

Staff Vacancies

Following vacancies for positions classified as staff or for which applicants must have been listed with the University Employment Division for filling. This announcement is made so that all University employees are interested in promotion may apply by calling the University Employment Division, 865-1387 (network line 475-729). Applications for these staff vacancies will be accepted until 5 p.m., March 5, 1981. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (FE-11) and compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), prior status as a disabled or Vietnam era veteran.

RESEARCH AIDE, COLLEGE OF AGRICULTURE, University Park. Perform nonaqueous procedures to determine the purity of some. Measure activity of several enzymes of carbohydrate metabolism associated with nonaqueously isolated amyloplasts and the whole cell homogenate. Assay enzymes by standard procedures or by procedures to be determined experimentally. Assist supervisor in the development of assay procedure for the isolation of amyloplasts and measure enzyme activity. Assist in the instruction of students and support personnel in using routine research methods and laboratory techniques. Oversee activities of part-time student

laboratory assistants B.S. degree or equivalent in biochemistry, biology, plant science or related field, plus one year of effective experience in a biochemical or plant physiology research laboratory.

MANAGER OF SYSTEMS DEVELOPMENT, COLLEGE OF MEDICINE, Hershey. Responsible to the Director, Medical Center, for planning and directing the activities of the group of programmers and analysts who are responsible for the completion of the many developmental project requests that are received by the Computer Center, and who are charged with the analysis, evaluation, selection and installation of new applications. The position requires a bachelor's degree (master's preferred) and at least eight years of data processing experience, four of them in supervisory capacity.

FINANCIAL AID COORDINATOR - WAGE MONITORING, OFFICE OF STUDENT AID, University Park. Responsible to the Director of Student Aid for administering the University Wage Payroll Monitoring System, for counseling students on financial and matters, and for assisting in the internal administration of all financial aid programs. Master's degree or equivalent in student personnel services, public administration, business administration, or other related field, plus up to one year of effective experience required.

PROGRAMMER A, COLLEGE OF MEDICINE, Hershey. Responsible to the Manager of Programming for analyzing the requirements of various systems and for the development of computer programs to fulfill these requirements. Bachelor's

degree with knowledge of third generation computers and programming, plus one to two years of effective experience, or an associate degree in data processing, plus two to four years of effective experience.

SENIOR RESEARCH INSTRUMENTATION AIDE, COLLEGE OF SCIENCE, University Park. Responsible to the Supervisor, Research Instrument Group, to assist in the design, construction, packing, documentation, and maintenance of instrumentation in the Microbiology, Cell Biology, Biochemistry and Biophysics Department and Chemistry Department. Associate's degree or its equivalent in electronics, plus three to four years of effective experience with scientific instrumentation or electronic components of instrumentation, are required. Experience with analytical instruments and a basic knowledge of chemistry, physics and mechanics are highly desirable.

New molecular, cell biology majors set

A new undergraduate and graduate major in Molecular and Cell Biology will be offered in the College of Science at University Park beginning Fall Term 1981. The major, which has resulted from a change in name and emphasis of the former Biophysics program, will lead to

the B.S., M.S. and Ph.D. degrees in Molecular and Cell Biology.

Additional faculty in the areas of molecular biology, molecular genetics and cell biology will join the existing biophysics faculty in the program. The curriculum and courses have been revised and updated. Added attention will be given new developments such as recombinant DNA, genetic cloning and engineering, biomedical applications, gene expression and regulation, and other aspects of molecular and cell biology.

These programs are tailored for and should be of interest to students from many backgrounds in the biological, physical and other sciences. Majors would obtain the background necessary for postdoctoral studies, graduate studies, medical school, and work in basic research, industrial applications of biotechnology, government laboratories, and other areas.

More information about the program is available from Dr. Reginald Deering in Room 201 Altshouse Laboratory or Room 618 Mueller Laboratory (865-0342).

18 workshops highlight 1981 Alumnae Day program

"Women: Options Matter Especially Now," the 1981 Penn State Alumnae Day program, is set for Saturday, April 4, in Keller Conference Center.

Sponsored by the Penn State Alumni Association, the day's program will feature discussions on a wide range of topics by distinguished University faculty members, alumnae and other women.

To be included are 18 workshops in the following areas of interest: "The Balancing Act" — dual career couples, living alone, and combining motherhood with a volunteer or working career; "Money Does Matter" — investments and estate planning, acquiring a financial identity, and turning creative ideas into financial reality; and "You and Your Health" — coping with stress, controlling one's own body, and shaping up and eating right.

Also: "Strategies for the Future" — marketing one's skills, a rewarding life without pay, and setting new goals and options; "Making It in Male America" — recognizing discrimination, the double bind of being black and female, and career advancement; and "Women United" — women's legislation, networking, and developing a political base.

Prominent guest speakers will include Senator Jeanette Reilly, minority chairman of the State Senate Education Committee; Helen Seager, director of the Pennsylvania Commission for Women in Harrisburg; Cynthia Ackron Baldwin '66 of McKeesport, attorney at Neighborhood Legal Services; Barbara Haas '61, past president of Women in Communications

and president of Wordcrafters, Inc., Pittsburgh; Dr. Linda Hartsock '69, management consultant in Washington, D.C.; and Dr. Carmen Beatriz Mendez '74, '79g, post-graduate resident obstetrician/gynecologist at George Washington University Hospital. University faculty members participating will include:

— Dr. Joanne Trautmann, director of the Center for the Study of Humanistic Medicine and professor of humanities and English at Hershey, who will give the opening presentation, "The 'Old Girl' Network: Women's Friendships and Creativity." Dr. Trautmann is co-editor with Nigel Nicholson of the multi-volume *Letters of Virginia Woolf*. Frequently published in professional journals, Dr. Trautmann also co-authored a book with Nigel Pollard, *Literature and Medicine: Topics, Titles and Notes*; and she is the editor and principal writer of another, *Medicine and Literature: Two Healing Arts in Dialogue*.

— Dr. Doris M. Seward, professor of human development and executive assistant to President Oswald, who is an authority in the field of comparative education. Dr. Seward will lead a panel discussion on managing one's life as a single, divorced or widowed woman.

— Dr. Marylee Taylor, assistant professor of sociology, will lead the panel discussion on "The Double Bind — Being Black and Female," which will focus on the difficulties of being in the minority. Dr. Taylor's research emphasis has been on

white racial attitudes.

— Dr. Kathryn Moore, associate professor of education and research associate at the Center for the Study of Higher Education, will present "Women Helping Women," a lecture-discussion of the rewards and risks in networking and mentoring.

— Dr. Dorothy Harris, professor of physical education and director of the Center for Women and Sport, will discuss current research on women and exercise.

— Dr. Laura S. Sims, associate professor of nutrition in public health, and a W.K. Kellogg Foundation National Fellow, will discuss the latest research on women and nutrition in a workshop on "Shaping Up and Eating Right."

— Dr. Linda Shoop, associate professor of educational psychology at the New Kensington Campus, will present a workshop on coping with stress. Dr. Shoop is a recipient of the College of Education's Alumni Society's Outstanding Teaching Award.

— Dr. Gladys I. Ritchie, associate professor of speech communication and associate dean for academic affairs for the University-wide System of Continuing Education and Commonwealth Campuses, and Dr. Kathleen Dutto, senior research technologist in the Division of Broadcasting, will present commentaries on selected films about women.

Further information and a registration brochure can be obtained by writing Heather C. Gilbert, Alumni Association, Room 1005 Old Main, 814-865-1973.

Scholar's medal

(Continued from page 1)

the therapy has reduced mortality from 60 percent to 3 percent and recurrence of the disease from 30 percent to zero. As a result, the Waldhausen operation has been universally accepted.

Clearly, the medical and surgical procedures devised by Dr. Waldhausen have turned a virtually hopeless situation faced by the infant with congenital coarctation of the aorta into one in which health can be restored in almost all cases," his citation notes.

Dr. Waldhausen's contributions in this field are included in a bibliography containing contributions in cardiac physiology and function, and related areas.

Dr. Waldhausen has held faculty positions in surgery at Indiana University and the University of Pennsylvania. In 1970, he joined the Penn State faculty.

Dr. Gould's medal recognizes his achievements in the application of mathematical and statistical techniques in geographical research. He is credited with having introduced geographers to multivariate analysis and has made a number of contributions to the quantitative revolution in geography.

"Dr. Gould is a 'world class' geographer whose accomplishments are deeply respected throughout the international community of geographers and scholars in related disciplines," his citation notes.

Some of his most recent work has been on the diffusion of ideas and images, and he is widely known for his work on "mental maps," the study of the sociospatial environment. He presently is engaged in a pioneering study of the international flows of information through mass media.

Prior to joining the Penn State faculty in 1963, he taught at Syracuse University and conducted field work in Tanganyika, Ghana, Kenya and Uganda. In 1969-70, while on sabbatical and research leave from Penn State, he was affiliated with the Geographic Institute of Lund, Sweden.

Dr. Ohmoto is being honored for his discovery that the formation of massive sulfide deposits, which are the source of much of the world's copper, silver and other metals, occurs near the sea floor as a result of submarine volcanism.

He was the first to propose that theory in 1977, on the basis of extensive research results. Subsequent work by Dr. Ohmoto, co-workers and other researchers has confirmed the theory and led to the development of new guides to exploration for the economically important ore deposits in rocks up to 3 billion years old.

"If this nation is to avert a metals shortage in the not-too-distant future," his citation notes, "it will lead in part to the scholarly achievements of Dr. Ohmoto in providing sound conceptual models to guide mineral exploration efforts."

Dr. Ohmoto also is being honored for his leading role in an international cooperative program of research on the volcanogenic massive sulfide deposits of Japan.

A native of Japan, Dr. Ohmoto came to the U.S. in 1964 to study at Princeton University under a Fulbright Fellowship. He was affiliated with the University of Alberta in Canada before joining the Penn State faculty in 1970.

Established earlier this year, the Faculty Scholar Medal parallels Penn State's Christian R. and Mary F. Lindback Awards, which are presented for excellence in teaching. Up to four Faculty Scholar Medals will be presented annually during Winter Term commencement exercises.

University awards

(Continued from page 1)

Yeagley Jr., assistant vice president for the physical plant, chairperson; Martha Adams, assistant dean for resident instruction, Health, Physical Education and Recreation; State College rector William Leonard; James R. Palmer, president, C-COR; and students Kathy Ryan and Jonathan Sonett.

The Donkin Award was established in 1969 to honor the late McKay Donkin, who was vice president for finance and treasurer of the University from 1957 to 1968. The award is presented to the full-time or retired member of the faculty or staff who has contributed most to the "economic, physical or mental, or social welfare of the faculty" of the University. The nominee's contribution should be for duties or services above and beyond regularly assigned duties. The award consists of a \$500 stipend and a certificate.

The Wilkinson Award was established in 1970 by friends of John E. Wilkinson, a lifelong Centre County businessman. The award, which carries a \$500 stipend, goes to a University staff member whose performance methods and achievements exemplify administrative excellence.

The Barash Award was created in 1975 by the family of the late Sy Barash. It is made to a full-time member of the faculty, staff, or student body at the University Park Campus who has contributed most, apart from regular duties, to human affairs through public service activities and organizations or the welfare of fellow humans. The award carries a \$1,000 stipend.

Libraries ask award nominations

March 1 is the deadline for nominations for the Award for Outstanding Contribution to the University Libraries.

The award, consisting of a cash stipend and a Nittany Lion statue, is given in recognition of the achievements or performance of any person holding an academic or staff appointment in the Libraries who meets one or more of the following guidelines:

- (1) Professional contribution which has a significant influence on the operations of the Libraries; or
 - (2) Significant professional contribution which earns the respect of the University community for the Libraries; or
 - (3) Significant contribution to the profession which reflects achievement in librarianship at the University; or
 - (4) Outstanding service to the Libraries as evidenced by continuing leadership and innovation.
- Nomination forms are available at the following library locations: Arts (E405 Pattee), Architecture (207 Eng. Unit C), Earth and Mineral Sciences (105 Deike), Engineering (325 Hammond), Information Desk (C102 Pattee), Life Sciences (E205 Pattee), Mathematics (110 McAllister), Physical Sciences (230 Davey), and all Commonwealth Campus Libraries. Nominations should be sent to Jack Pontius, chairman of the Awards Jury, Eo Pattee.

Wharton to discuss challenges to ag development

Clifford R. Wharton, chancellor of the State University of New York system, will present a public lecture, "Four Challenges to Agricultural Development," at 4:30 p.m. on Thursday, March 5, in Room 112 Kern Building.

His talk is sponsored by the College of Agriculture and Gamma Sigma Delta. An economist, Dr. Wharton earned his B.A. at Harvard, master's degrees at Johns Hopkins and the University of Chicago, and his doctorate at Chicago. He was associated in various capacities with the Agricultural Development Council from 1957 through 1969, serving in the Singapore region, as director of the Council's American university research program and finally as its vice president.

From 1970 to 1978, Dr. Wharton was president of Michigan State University, leaving to assume his post at SUNY.

He has served as an advisor to the government on numerous occasions. He was a member of the Presidential Task Force on Agriculture in Vietnam (1966) and of a State Department advisory panel on East Asia and the Pacific (1966-69). A member of the Presidential mission to Latin America (1969), he has been serving on the Presidential Commission on World Hunger since 1978.

Since 1976, he has been chairman of the Agency for International Development's (AID) Board of International Food and Agricultural Development. He serves also as trustee or director of the Rockefeller Foundation, Asia Society, the Overseas Development Council, the Carnegie Foundation and the Agricultural Development Council.

Tax reform to be subject of joint presentation

Four affiliates of the Pennsylvania Tax Commission, two of whom are Penn State faculty members, will present and discuss the commission's recommendations for State and local tax reforms in Pennsylvania at 2 p.m. on Monday, March 9, in Room 204 Keller Building.

The four are Carol Smith, tax commission member assigned to local non-real estate taxation; Robert Strauss, research director for the tax commission and professor of economics at Carnegie-Mellon University; James D. Rodgers, research director for local non-real estate taxes and professor of economics at Penn State; and Michael Wasylek, research director for sales taxation and assistant professor of economics at the University.

Two-day workshop at Breazeale Facility

A two-day workshop on the use of Newton Activation Analysis will be conducted Tuesday and Wednesday, March 3 and 4, at the Breazeale Nuclear Reactor Facility.

The workshop is open to faculty and staff members and students who have a desire to learn more about this method of analysis, one of the most sensitive techniques available for trace element identification and quantification.

The workshop will consist of one day of lectures and one day of laboratory experiments to enable participants to become familiar with the instrumentation and facilities available for use at the Breazeale Facility.

There is no charge for this workshop, but those who are interested in attending should contact Dale C. Raupach at 865-6352.

Penn State Intercom

Pennsylvania State University Conversion to an Early Semester Calendar (Effective Fall Term, 1983)

From: President John W. Oswald
To: The University Community

Introduction

In September of last year I asked the University community to join me in considering a change to an early semester calendar. In that letter, I reviewed Penn State's calendar history for the last 20 years; I expressed my own view that an early semester calendar would provide a preferable learning environment. Under the policies of the Board of Trustees, the President of the University has the responsibility for determining the calendar of the institution but only after consultation with faculty, students, and the University Council. In considering a major change in the academic calendar the policies of the University community were solicited as widely as possible.

I invited each individual member of the University community to express his or her calendar views to me. In addition, University groups such as the Faculty Advisory Committee, the Council of Academic Deans, the University Council, and the University Faculty Senate and its committees were specifically requested to consider the calendar question and offer advice to me.

Between September, 1980, and early January, 1981, over 100 communications, many from groups rather than individuals, came to me expressing a range of views on the calendar question. On November 11, 1980, the University Faculty Senate devoted essentially an entire meeting to a forensic session on the calendar question. All Senate committees made reports describing the perceived impact of a calendar change in the area for which each is responsible. In addition, a number of Senators, and two senators, addressed the Senate regarding the proposed calendar change.

The Deans of the colleges, assisted by the Department Chairmen, solicited the views of their faculties and reported those views to me through the Chairman of the Council of Academic Deans; Capitol Campus and the University Libraries also responded through that channel. At my request, the University Council invited the responsible persons in the non-academic areas of the University to consider a calendar change and report its probable impact. Many student organizations, at University Park and at the Commonwealth Campuses, considered the calendar question, an ad hoc group known as the Committee for Credible Student Input sponsored discussion forums in the Hetzel Union Building and polled a sample of the student body on the question.

All of us could have predicted before this broad consultation that the opinions and views of the total University community would vary widely. Some expressed strong opposition to any calendar change; others expressed equally strong support for the early semester change, and still others variations of these. Locally, at Penn State and elsewhere, the question of a calendar change has often been, at least in part, an emotional issue. I

take pleasure in reporting that the communications which came to me on the calendar question, no matter the strength of conviction of the writer on either side of the issue, addressed the calendar conversion question and did not, with rare exception, impugn the motives of anyone who had a different view on the subject.

All the material received has been read and reread. A number of studies of specific questions relating to the calendar change impact have been analysed. The calendar patterns at research universities with missions similar to Penn State have been considered. The magnitude of the conversion effort has been carefully weighed. At the outset in September, 1980, I identified some issues which were most likely to emerge as the most critical if the University were to convert to an early semester system. Among these were teaching load, availability of laboratory and large classroom space, faculty research, faculty contracts, conversion of courses, curricula, and schedule. As your responses came to me, these issues were, indeed, the major concerns to many of you.

Study to date demonstrates that availability of laboratory space and large classroom space is not likely to hinder operation of a semester calendar; some changes in procedural control and use of classroom space may be required. The question of faculty contracts turned out not to be an issue.

While some persons continue to fear damage to the research thrust of the University in a semester calendar, I believe that the workload in instruction is the real concern with regard to research opportunities; otherwise, it is difficult to understand how institutions such as the University of North Carolina, Columbia University, the University of Wisconsin, the University of Pennsylvania, Purdue University, Yale University, the University of Illinois, Harvard University, Indiana University, and Johns Hopkins University can achieve significant productivity in research under an early semester calendar.

Finally, the question of teaching load and concern about the time and effort to be spent on curriculum revision seemed to emerge as the most critical concerns of those opposing the conversion to an early semester system. As I have stated earlier, I believe that the major curriculum review and revision inherent in a calendar change will be a very invigorating and healthy process. The teaching load question seems to have differential impact by college, by department, by campus, and by individual. Studies which have been made indicate that solutions can be found to the workload problem in the particular colleges and at the particular campuses where it appears to be most critical.

The decision to change to an early semester calendar has not been made primarily on cost considerations. The information available to me demonstrates that the change in operational cost of the

University will be modest. Over time, administrative activities occurring twice each academic year instead of three times will constitute a savings or a cost avoidance. In the same vein, the winter break has not been designed to achieve significant increases in fuel energy savings. However, an early semester calendar creates a situation where an extended midwinter recess could be used, if it became necessary, without major disruption to the academic processes of the University.

Policy Affecting the Academic Calendar Beginning Fall 1983

By this memorandum, I hereby direct that The Pennsylvania State University will convert to an Early Semester Calendar effective in the Fall of 1983. Further, this memorandum sets forth the principles that will govern the new calendar and the conditions that will govern the conversion. In recognition of the complexity of making this change, a Calendar Conversion Council has been created which will have the responsibility, directly from my office, for implementing an orderly and equitable conversion. Finally, the first five calendars 1983-84, 1984-85, 1985-86, 1986-87, 1987-88 are set forth in detail.

Principles Governing the New Calendar

Now to the specifics of the new early semester calendar, the conditions under which it will be put in place, and the processes whereby the conversion can be made:

In my September letter to the University Community, I had suggested the summer of 1984 for the conversion, if it were made. On further reflection in recent weeks, I concluded that a three and one-half year period between the decision and its effective date is longer than really necessary for careful planning and implementation. In fact, that long a time might inadvertently lead us into a degree of procrastination that would be harmful to the process and to the University. I also note that many institutions have made calendar conversions successfully in less time than two and one-half years.

The first five years (1983-1988) of the new early semester calendar are presented in the following pages. As a brief review will demonstrate, the calendars follow a predictable pattern based on these principles:

- All instruction for the fall semester, including examinations, will be completed before the midwinter break.
- Fall and spring semesters will include 14 weeks of instruction exclusive of

registration, orientation, and the final examination period.

- Except in those years in which Labor Day falls on September 7, the first day of classes in the fall semester will be the Tuesday immediately following Labor Day. When Labor Day falls on September 7, the first day of classes in the fall semester will be the Wednesday immediately preceding Labor Day. (In the first 25 years of the new calendar, 1983-2007, Labor Day falls on September 7 only three times.)
- The summer session will include eight weeks of instruction exclusive of registration, orientation, and the final examination period; but maximum encouragement will be given to the programmatically necessary development of two, three, four, five, or six week modules within the eight week frame.
- The normal class period will be 55 minutes with a 15 minute interval between classes. While a three credit course will usually meet for three 55 minute periods each week, the class schedule will be structured to accommodate other than three credit courses and to accommodate class meeting schedules different from the three weekly norm. (The 55 minute, three times a week class meeting over a 14 week semester produces 60 minutes more per three credit course than the current class schedule.)
- The regular class schedule in the fall and spring semesters and summer session will be Monday through Friday of each week. Facilities will be available on Saturday for special instructional purposes.
- The final examination period will include six days in the fall and spring semesters and three days in the summer session.
- Commencements will be held following the spring semester and the summer session. (The reduction from four ceremonies per calendar year to two will provide a modest savings.)
- In the fall semester, holidays will be observed and classes suspended on Labor Day, Thanksgiving Day, and the Friday immediately after Thanksgiving Day.
- The spring semester will include one calendar week of spring holidays to occur at the midpoint of the semester.
- In the summer session, a holiday will be observed and classes suspended on Independence Day or on July 3 or July 5 when Independence Day falls on Saturday or Sunday respectively.
- The midwinter academic recess between the end of the fall semester and the beginning of the spring semester will include more than 14 and fewer than 21 days.

(Continued on next page)

• The time periods between semesters and between a semester and the summer session are, excepting officially designated University holidays, opportunities for research, scholarship, and other professional and academic pursuits. Many functions of a University, including research, ongoing study by many students — especially graduate students — scholarly activity, and administrative operations, transcend the formally scheduled academic calendar and will go on during those "between times."

Conditions Governing Conversion to the Early Semester Calendar

In addition to the principles on which the new calendars were drawn, it is necessary to state, in some cases restate, the conditions which will govern the calendar conversion. These conditions are:

- The total tuition for an academic year will not increase as a function of the calendar change.
 - There will be no reduction in any individual faculty salary as a function of the calendar change.
 - There is and will be no administrative requirement that the faculty teaching loads under this early semester calendar have a particular arithmetical relationship to a load under the current term system; for example, it is erroneous to assume that a current load of two three credit courses per term must automatically result in three three credit courses per semester.
 - The responsibility and authority for reexamination and revision of the degree programs and the service courses rest with the academic departments under the authority of the Department Chairman and the Dean of the college. While the recycling of funds which has been in process for several years is likely to continue, a reduction in the credit output of a department as a function of the calendar change will not automatically result in a decrease in that department's budget.
 - The conversion to the early semester calendar cannot be used as a basis for requiring Commonwealth Campus students to transfer to University Park earlier than may now be the case in a particular program.
 - While the early semester calendar provides two parts to the academic year as compared to the three of the term calendar, the University intends to make every effort to keep maximum flexibility for students and programs. As an example, consideration should be given, where academically appropriate, to combining a course together with its practicum so as to make full use of the semester calendar.
- responsible to me as Chairman of the Calendar Conversion Council. Dean Bartoo will be assisted in this task by Dr. James R. Dungan of the Office of Planning and Budget. Additional staff support, as required, will be made available.
- The Calendar Conversion Council will continue its responsibility until the end of the first year, 1983-84, of the new early semester calendar. Faculty and staff members of the Council will serve through 1983-84 barring unforeseen circumstances. The student members will serve on the Council through their term of office with the Graduate Student Association or Undergraduate Student Academic Assembly and will be followed on the Council by their elected successors.
- Members of the Calendar Conversion Council are:
- James B. Bartoo, Dean, Graduate School, Chairman;
 - Robert A. Bernoff, Director, Ogontz Campus;
 - Carol A. Cartwright, Chairperson, Task Force on Faculty and Staff, *A Perspective on the '80s* and Professor, Curriculum and Instruction, College of Education;
 - James R. Dungan, Special Assistant, Office of Planning and Budget, Secretary;
 - Robert E. Dunham, Vice President, Undergraduate Studies;
 - A. Daniel Frankforter, Associate Professor, History, Behrend College;
 - Wendell V. Harris, Head, English Department, College of the Liberal Arts;
 - Henry J. Hermanowicz, Dean, College of Education;
 - Peter Irvin, President, Graduate Student Association;
 - John F. Kavanaugh, Chairman, Academic and Athletic Standards Committee, University Faculty Senate and Professor, Veterinary Science, College of Agriculture;
 - John D. Martz, III, Chairman, Research Committee, University Faculty Senate and Head, Political Science Department, College of the Liberal Arts;
 - Richard L. McCarl, Immediate Past Chairman, Undergraduate Instruction Committee, University Faculty Senate and Professor, Biochemistry, College of Science;
 - George J. McMurtry, Immediate Past Chairman, University Faculty Senate and Associate Dean and Professor, Electrical Engineering, College of Engineering;
 - Gary Mullen, Associate Professor, Mathematics, Shenango Valley Campus;
 - Rosemary Schraer, Assistant Provost;
 - Ted Szklenski, President, Undergraduate Student Academic Assembly;
 - Leonard N. Zimmerman, Associate Dean, Research and Professor, Bacteriology, College of Science.

The Calendar Conversion Council

A considerable effort will be required in virtually every unit of the University, academic and nonacademic, in order to complete the conversion by the beginning of the fall semester, 1983. Because a calendar conversion is a unique and noncontinuing activity at a University, I concluded that it was best to appoint a Calendar Conversion Council to expedite and coordinate the implementation of the conversion. While the Calendar Conversion Council may find it necessary to initiate policy formulation on occasion and to suggest policy changes, it is expected that normal University channels and approval mechanisms will be utilized in the determination of new or revised policy.

Dr. James B. Bartoo, Dean of the Graduate School, has agreed to serve as the executive officer of the University

Calendars for 1983-84 through 1987-88

The calendars for 1983-84 through 1987-88 are:

1983-84		
FALL SEMESTER		
Arrival Date	Monday	August 29
Orientation & Registration	Tuesday-Friday	August 30-September 2
Labor Day Holiday	Monday	September 5
Classes Begin	Tuesday	September 6
Thanksgiving Holiday	Thursday-Sunday	November 24-27
Classes End	Wednesday	December 14
Final Exams	Thursday-Saturday	December 15-17
	Monday-Wednesday	December 19-21

1983-84		
SPRING SEMESTER		
Arrival Date	Tuesday	January 10
Orientation & Registration	Wednesday-Friday	January 10-12
Classes Begin	Monday	January 11-13
Labor Day Holiday	Monday	January 16
Spring Holiday	Monday-Friday	March 5-9
Classes End	Friday	April 22
Final Exams	Monday-Saturday	April 30-May 5
Spring Commencement	Saturday	May 12

1983-84		
SUMMER SESSION (8 WEEKS)		
Arrival Date	Sunday	June 10
Orientation & Registration	Monday-Tuesday	June 10-12
Classes Begin	Wednesday	June 13
Independence Day Holiday	Wednesday	July 4
Classes End	Wednesday	August 8
Final Exams	Thursday-Saturday	August 9-11
Summer Commencement	Saturday	August 18

1983-84							
	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Aug.	7 21	1 22A	2 23	3 24	4 25	5 26	6 27
Sept.	4 18	5H 19	6B 20	7 21	8 22	9 23	10 24
Oct.	9 23	10 24	11 25	12 26	13 27	14 28	15 29
Nov.	6 20	7 21	8 22	9 23	10 24H	11 25	12 26H
Dec.	4 18	5 19E	6 20	7 21	8 22	9 23	10 24
Jan.	1 15	2 16B	3 17	4 18	5 19	6 20	7 21
Feb.	5 19	6 20	7 21	8 22	9 23	10 24	11 25
Mar.	4 18	5H 19	6H 20	7 21	8H 22	9H 23	10 24
Apr.	8 22	9 23	10 24	11 25	12 26	13 27X	14 28
May	6 20	7 21	8 22	9 23	10 24	11 25	12 26
June	3 17	4 18	5 19	6 20	7 21	8 22	9 23
July	1 15	2 16	3 17	4 18	5 19	6 20	7 21
Aug.	5 19	6 20	7 21	8 22	9 23	10 24	11 25

A - Arrival Date E - Commencement H - Holiday X - Classes End
B - Classes Begin C - Exam Period R - Orientation & Registration

Those persons in the University community who have participated in the calendar discussion will have noticed that some issues which concerned some segments of the University have not been addressed in the statement. Revised procedures for sabbatical leaves, the specifics of the class schedule, new patterns for academic advising, special courses for the transition years of 1982-84, a full definition of the new summer session are among the issues to be resolved. While all are important, the principles and conditions included in this statement provide a framework for their resolution by the University with the assistance of the Calendar Conversion Council.

Dean Bartoo and the Calendar Conversion Council will be responsible to me for developing the additional or amended guidelines, procedures, and target dates for the variety of actions necessary to the calendar conversion.

1984-85

FALL SEMESTER

Arrival Day
Orientation & Registration
Labor Day Holiday
Classes Begin
Thanksgiving Holiday
Classes End
Final Exams

Monday
Tuesday-Friday
Monday
Tuesday
Thursday-Sunday
Wednesday
Thursday-Saturday
Monday-Wednesday

August 27
August 28-31
September 3
September 4
November 22-25
December 12
December 13-15
December 17-19

1985-86

FALL SEMESTER

Arrival Date
Orientation & Registration
Labor Day Holiday
Classes Begin
Thanksgiving Holiday
Classes End
Final Exams

Monday
Tuesday-Friday
Monday
Tuesday
Thursday-Sunday
Wednesday
Thursday-Saturday
Monday-Wednesday

August 26
August 27-30
September 2
September 3
November 28-December 1
December 11
December 12-14
December 16-18

1984-85

SPRING SEMESTER

Arrival Date
Orientation & Registration
Classes Begin
Spring Holiday
Classes End
Final Exams
Spring Commencement

Tuesday
Wednesday-Friday
Monday
Monday-Friday
Friday
Monday-Saturday
Saturday

January 8
January 9-11
January 14
March 4-8
April 26
August 7
April 29-May 4
May 11

1985-86

SPRING SEMESTER

Arrival Date
Orientation & Registration
Classes Begin
Spring Holiday
Classes End
Final Exams
Spring Commencement

Tuesday
Wednesday-Friday
Monday
Monday-Friday
Friday
Monday-Saturday
Saturday

January 7
January 8-10
January 13
March 3-7
April 25
April 28-May 3
May 10

1984-85

SUMMER SESSION (8 WEEKS)

Arrival Date
Orientation & Registration
Classes Begin
Independence Day Holiday
Classes End
Final Exams
Summer Commencement

Sunday
Monday-Tuesday
Wednesday
Thursday
Wednesday
Thursday-Saturday
Saturday

June 9
June 10-11
June 12
July 4
August 7
August 8-10
August 17

1985-86

SUMMER SESSION (8 WEEKS)

Arrival Date
Orientation & Registration
Classes Begin
Independence Day Holiday
Classes End
Final Exams
Summer Commencement

Sunday
Monday-Tuesday
Wednesday
Friday
Wednesday
Thursday-Saturday
Saturday

June 8
June 9-10
June 11
July 4
August 6
August 7-9
August 16

1984-85

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Aug.	5 12 19 26	6 13 20 27A	7 14 21 28R	1 8 15 22R	2 9 16 23 30R	3 10 17 24 31R	4 11 18 25
Sept.	2 9 16 23 30	3H 10 17 24	4B 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28	8 15 22 29
Oct.	7 14 21 28	8 15 22 29	9 16 23 30	10 17 24 31	11 18 25	12 19 26	13 20 27
Nov.	4 11 18 25H	5 12 19 26	6 13 20 27	7 14 21 28	8 15 22 29	9 16 23 30	10 17 24H
Dec.	2 9 16 23 30	3 10 17 24 31	4 11 18 25 31E	5 12 19 26 31E	6 13 20 27	7 14 21 28	8 15 22 29
Jan.	6 13 20 27	7 14 21 28	8A 15 22 29	9R 16 23 30	10 17 24 31	11 18 25	12 19 26
Feb.	3 10 17 24	4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28	8 15 22 29	9 16 23 30
Mar.	3 10 17 24 31	4H 11 18 25	5H 12 19 26	6H 13 20 27	7H 14 21 28	8 15 22 29	9 16 23 30
Apr.	7 14 21 28	8 15 22 29E	9 16 23 30E	10 17 24 31E	11 18 25 31E	12 19 26 31E	13 20 27 31E
May	5 12 19 26	6 13 20 27	7 14 21 28	8 15 22 29	9 16 23 30	10 17 24 31	11 18 25 31
June	2 9 16 23 30	3 10 17 24 31	4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28	8 15 22 29
July	7 14 21 28	8 15 22 29	9 16 23 30	10 17 24 31	11 18 25	12 19 26	13 20 27
Aug.	4 11 18 25	5 12 19 26	6 13 20 27	7X 14 21 28	8E 15 22 29	9E 16 23 30	10E 17C 24 31

A - Arrival Date C - Commencement H - Holiday X - Classes End
B - Classes Begin E - Exam Period R - Orientation & Registration

1985-86

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Aug.	4 11 18 25	5 12 19 26A	6 13 20 27R	7 14 21 28R	8 15 22 29R	9 16 23 30R	10 17 24 31
Sept.	1 8 15 22 29	2H 9 16 23 30	3B 10 17 24	4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28
Oct.	6 13 20 27	7 14 21 28	8 15 22 29	9 16 23 30	10 17 24 31	11 18 25	12 19 26
Nov.	3 10 17 24	4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28H	8 15 22 29H	9 16 23 30H
Dec.	8H 15 22 29	9 16 23 30	10 17 24 31	11 18 25 31E	12 19 26 31E	13 20 27 31E	14 21 28
Jan.	5 12 19 26	6 13 20 27	7A 14 21 28	8R 15 22 29	9R 16 23 30	10R 17 24 31	11 18 25
Feb.	2 9 16 23	3 10 17 24	4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28	8 15 22
Mar.	2 9 16 23 30	3H 10 17 24	4H 11 18 25	5H 12 19 26	6H 13 20 27	7H 14 21 28	8 15 22 29
Apr.	6 13 20 27	7 14 21 28E	8 15 22 29E	9 16 23 30E	10 17 24 31E	11 18 25 31E	12 19 26 31E
May	4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28	8 15 22 29	9 16 23 30	10 17 24 31
June	1 8 15 22 29	2 9 16 23 30	3 10 17 24	4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28
July	6 13 20 27	7 14 21 28	8 15 22 29	9 16 23 30	10 17 24 31	11 18 25	12 19 26
Aug.	10 17 24 31	11 18 25 31	12 19 26 31	13 20 27 31	14 21 28 31	15 22 29 31	16 23 30

A - Arrival Date C - Commencement H - Holiday X - Classes End
B - Classes Begin E - Exam Period R - Orientation & Registration

1987-87

FALL SEMESTER

Arrival Date	Monday
Orientation & Registration	Tuesday-Friday
Labor Day Holiday	Monday
Classes Begin	Tuesday
Thanksgiving Holiday	Thursday-Saturday
Classes End	Wednesday
Final Exams	Thursday-Saturday
	Monday-Wednesday

August 25
August 26-29
September 1
September 2
November 27-30
December 10
December 11-13
December 15-17

1986-87

SPRING SEMESTER

Arrival Date	Tuesday
Orientation & Registration	Wednesday-Friday
Classes Begin	Monday
Spring Holiday	Monday-Friday
Classes End	Friday
Final Exams	Monday-Saturday
Spring Commencement	Saturday

January 6
January 7-9
January 12
March 2-6
April 24
April 27-May 2
May 9

1986-87

SUMMER SESSION (8 WEEKS)

Arrival Date	Sunday
Orientation & Registration	Monday-Tuesday
Classes Begin	Wednesday
Independence Day Holiday	Friday
Classes End	Wednesday
Final Exams	Thursday-Saturday
Summer Commencement	Saturday

June 7
June 8-9
June 10
July 3
August 5
August 6-8
August 15

1986-87

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Aug.	3 10 17 24 31	4 11 18 25A	5 12 19 26R	6 13 20 27R	7 14 21 28R	8 15 22 29R	9 16 23 30
Sept.	7 14 21 28	8 15 22 29	9 16 23 30	10 17 24	11 18 25	12 19 26	13 20 27
Oct.	5 12 19 26	6 13 20 27	7 14 21 28	8 15 22 29	9 16 23 30	10 17 24 31	11 18 25
Nov.	2 9 16 23 30H	3 10 17 24	4 11 18 25	5 12 19 26	6 13 20 27H	7 14 21 28H	8 15 22 29H
Dec.	1 8 15 22 29	2 9 16 23 30	3 10 17 24 31	4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28
Jan.	4 11 18 25	5 12 19 26	6A 13 20 27	7R 14 21 28	8R 15 22 29	9R 16 23 30	10 17 24 31
Feb.	1 8 15 22	2 9 16 23	3 10 17 24	4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28
Mar.	1 8 15 22 29	2H 9 16 23 30	3H 10 17 24 31	4H 11 18 25	5H 12 19 26	6H 13 20 27	7 14 21 28
Apr.	5 12 19 26	6 13 20 27E	7 14 21 28E	8 15 22 29E	9 16 23 30E	10 17 24 31E	11 18 25
May	3 10 17 24 31	4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28	8 15 22 29	9 16 23 30
June	7A 14 21 28	8 15 22 29	9R 16 23 30	10B 17 24	11 18 25	12 19 26	13 20 27
July	5 12 19 26	6 13 20 27	7 14 21 28	8 15 22 29	9 16 23 30	10 17 24 31	11 18 25
Aug.	2 9 16 23 30	3 10 17 24 31	4 11 18 25	5X 12 19 26	6E 13 20 27	7E 14 21 28	8E 15 22 29

A - Arrival Date C - Commencement H - Holiday R - Orientation & Registration X - Classes End
B - Classes Begin E - Exam Period

1987-88

FALL SEMESTER

Arrival Date	Wednesday
Orientation & Registration	Thursday-Friday
Classes Begin	Monday-Tuesday
Labor Day Holiday	Wednesday
Thanksgiving Holiday	Monday
Classes End	Thursday-Sunday
Final Exams	Friday
	Monday-Saturday

August 26
August 27-28
August 31-September 1
September 2
September 7
November 26-29
December 11
December 14-19

1987-88

SPRING SEMESTER

Arrival Date	Tuesday
Orientation & Registration	Wednesday-Friday
Classes Begin	Monday
Spring Holiday	Monday-Friday
Classes End	Friday
Final Exams	Monday-Saturday
Spring Commencement	Saturday

January 5
January 6-8
January 11
February 29-March 4
April 22
April 25-30
May 7

1987-88

SUMMER SESSION (8 WEEKS)

Arrival Date	Sunday
Orientation & Registration	Monday-Tuesday
Classes Begin	Wednesday
Independence Day Holiday	Friday
Classes End	Wednesday
Final Exams	Thursday-Saturday
Summer Commencement	Saturday

June 5
June 6-7
June 8
July 4
August 3
August 4-6
August 13

1987-88

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Aug.	2 9 16 23 30	3 10 17 24	4 11 18 25	5 12 19 26A	6 13 20 27R	7 14 21 28R	8 15 22 29
Sept.	6 13 20 27	7H 14 21 28	8 15 22 29	9 16 23 30	10 17 24	11 18 25	12 19 26
Oct.	4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28	8 15 22 29	9 16 23 30	10 17 24 31
Nov.	1 8 15 22 29H	2 9 16 23 30	3 10 17 24	4 11 18 25	5 12 19 26H	6 13 20 27H	7 14 21 28H
Dec.	6 13 20 27	7 14E 21 28	8 15E 22 29	9 16E 23 30	10 17E 24 31	11 18E 25	12 19E 26
Jan.	3 10 17 24 31	4 11B 18 25	5A 12 19 26	6R 13 20 27	7R 14 21 28	8R 15 22 29	9 16 23 30
Feb.	7 14 21 28	8 15 22 29H	9 16 23	10 17 24	11 18 25	12 19 26	13 20 27
Mar.	6 13 20 27	7 14 21 28	8 15 22 29	9 16 23 30	10 17 24 31	11 18 25	12 19 26
Apr.	3 10 17 24	4 11 18 25E	5 12 19 26E	6 13 20 27E	7 14 21 28E	8 15 22 29E	9 16 23 30E
May	1 8 15 22 29	2 9 16 23 30	3 10 17 24	4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28
June	5A 12 19 26	6R 13 20 27	7R 14 21 28	8B 15 22 29	9 16 23 30	10 17 24 31	11 18 25
July	3 10 17 24	4H 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28	8 15 22 29	9 16 23 30
Aug.	7 14 21 28	8 15 22 29	9 16 23 30	10 17 24 31	11 18 25	12 19 26	13 20 27

A - Arrival Date C - Commencement H - Holiday R - Orientation & Registration X - Classes End
B - Classes Begin E - Exam Period

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Penn State Intercom

Penn State Intercom

Senate discusses TA training, the role of Council, PS-23 proposals

Last week, the Senate gave a Forensic Session — but hardly any faculty members came.

Looking about at the 64 senators who stayed to discuss recommendations from the Joint Senate/Administration Commission report on PS-23, Ernest Bergman deplored the absence of his colleagues, noting that he thought "the discussion was for faculty, not the administrators who are the ones still here."

Attendance at the March meeting was down from about 160 to 135 senators because of the term break, and much of the day's debate was devoted to several legislative reports. The forensic session did not begin until about 4:20 p.m.

Although the Senate did discuss a legislative report from Undergraduate Instruction on training programs for graduate student teaching assistants, no vote was taken because the legislation had not previously been sent to the Committee on Academic and Physical Planning for "costing."

The first proposal recommends that teaching training programs be established for all TAs and apportion responsibility for content and execution among program heads, deans and the Office of the Vice President for Undergraduate Studies.

Ensuring a suitable standard of spoken English for all TAs for whom English is a second language is addressed by the second recommendation.

Most of the discussion, however, was centered on Recommendation 3, which suggests that freshmen be informed during Orientation that in some instances instruction will be provided by graduate student teaching assistants.

Undergraduate Instruction Chairman Robert J. Heinsnoth told the Senate that freshmen need this information because "many of them do not know who these people are"; and his predecessor, Richard L. McCarl, referred to it as "truth in packaging."

Objections were raised, however, by Engineering deans Nunzio J. Palladino and George McMurtry, as well as by E & MS associate dean John J. Cahill on the grounds that the University would seem to be apologizing for using TAs.

Turning to three legislative reports from Committees and Rules, which, because they deal with changes in the Senate's Constitution and Bylaws, had lain on the table for a month, senators first discussed a proposal to substitute the word

"authority" in each instance where the word "responsibility" is used.

Armed with definitions taken from Webster's, Dean Palladino prevailed upon the Senate to modify the proposal so that the Constitution (Article 1, Section 4) will read: "The Senate shall have the authority to redelegate responsibility and authority in the areas listed in Section 1, according to such procedures as the Senate may establish."

No discussion accompanied the second proposal by Committees and Rules, this one to abolish the Committee on Intra-University Relations. The vote was unanimously in favor of the proposal.

The third proposal, however, provoked the most debate of the afternoon. It

(Continued on page 3)



Nature etches an arrow on last week's snow.
— Photo by Scott Johnson

External review grants announced

H. Thomas Hallowell Jr., the Penn State trustee with the longest service of any member of the Board, has contributed \$100,000 to the University to encourage external program reviews.

His contribution will be matched by the Fund for Academic Excellence through the Richard King Mellon Charitable Trusts grant, Provost Edward D. Eddy told the Senate at its March meeting.

"The first \$100,000 from these two sources will be available on application from the Provost's Office for small grants to assist in the honoraria and expenses of an external program review in all academic colleges except the College of Engineering," Dr. Eddy said.

"Because of his special interest in Engineering, Mr. Hallowell has asked that the second \$100,000 be reserved as a discretionary fund for the new Dean of Engineering to cover such items as external program reviews if that Dean gives them a high priority."

Dr. Eddy hailed the genuine contributions resulting from the recent internal reviews of Penn State's undergraduate and graduate programs. Adding that he recognized how exhausting the experience had been for many faculty members and administrative officers, he warned, however, that the University "must not stand still or we will fall backward in a rapidly changing academic world."

External reviews can "keep alive our continuing commitment to regular health

check-ups," he said, citing the example of the Mathematics Department, which successfully completed such a review last year.

Turning to the subject of the Baccalaureate Degree Requirements, Dr. Eddy informed the Senate that beginning with the Summer Term of 1981-82, the University will move forward to implement BDR III. At the same time, however, he urged the Senate to join hands with the Provost's Office to "begin the cogitation on and planning for BDR IV."

"Everyone of us is caught in the press of day-to-day business," Dr. Eddy continued. "Inevitably — even in a citadel of higher learning — the emphasis turns too often to the mundane and practical and away from the philosophical."

"We move from 'why' to the bureaucratic query of 'how.'"

"It would be good for Penn State, as well as each of us, I trust, if we shifted our focus from time to time to fundamental questions, such as the nature of the Penn State education."

Dr. Eddy urged all academic units of the University to participate in wide-ranging discussion and debate on the basic expectations of Penn State's students.

"I'd welcome your individual ideas on how we, as an intellectual community, can begin to think about the bases of higher learning, the essence of the Penn State experience — not — at least for now — about policy and procedure but about hopes and maybe a few dreams."

Summer/Fall baccalaureate applicants up

As of March 4, applications for admission to Penn State's 1981 Summer/Fall baccalaureate degree programs were up to 7 percent over last year, and University Park admissions were "closed" based on applications received through Jan. 13.

"Things are going very well at this point," Admissions Dean Donald G. Dickson reports.

The Admissions Office, as of March 4, had received 13,400 completed application forms from students competing for the 4,190 spaces available at University Park in Summer/Fall baccalaureate programs.

"We have made about 8,300 offers to fill these spaces," Dean Dickson says, adding that admissions standards have been maintained at the same level as last year.

"The proportion of those accepting our offers ('paid accepts') is looking pretty good at this point," Dean Dickson continues. "We think we will be up from last year, although final figures won't be available for several weeks."

Three colleges have shown significant increases in the number of "paid accepts." They are Business Administration, Engineering and Science.

Applications for Commonwealth Campus spaces increased about 4 percent for baccalaureate programs

(Summer/Fall), and the number of offers out is about the same as it was at this time last year, according to Dean Dickson.

"The flow of applications for the Campuses tends to lag behind that of University Park," he explains.

Two categories of applicants — associate degree and advanced standing — are down about 10 percent from 1980. In the last few weeks, however, there has been a sudden spurt in the number of these applicants, and Dean Dickson thinks they may also be applying later.

In the face of a 1½ to 2 percent drop in the number of 1981 Pennsylvania high school graduates, the University has held its own as far as in-State applications are concerned. Freshman applications for all programs at all locations are up slightly over last year. Applications from outside Pennsylvania increased by about 25 percent.

"No one can be absolutely certain why the number of applications increased this year," Dean Dickson comments. "We'd like to think it's the cumulative effect of Penn State's intensified recruiting efforts. Certainly my staff has done much more, and many other offices have been involved with our increased efforts."

"I'd like to give credit to the College Deans and Campus Directors, who sent out follow-up letters; the Publications and Public Information offices for their help in new and rewritten publications; Management Systems, who helped us improve our processing; Campus

(Continued on page 6)

Undergraduate study in Leningrad available

University undergraduates will be able to take courses for academic credit at Leningrad State University beginning next summer.

By affiliating with the Council on International Educational Exchange, Penn State's Office of Foreign Studies and Department of Slavic Languages will be able to offer students options for summer, semester or full academic year study.

The Council has been coordinating student exchange programs with the U.S.S.R. since 1958, explain Foreign Studies Director W. LaMarr Kopp and Slavic Languages Head William R. Schmaling.

The six-week Summer Russian Language Program is geared to the abilities

of intermediate and advanced students of Russian.

Upper-intermediate and advanced students of Russian are eligible for the Semester Russian Language Program, which includes 14 weeks of intensive language study.

The Academic Year Program is designed for students with a minimum of three years of university-level Russian language study, who are majoring in history, economics, political science, sociology or Russian language and literature.

Students will live in dormitories with their Soviet counterparts and have an opportunity to participate in the student life of the university. Classes are

(Continued on page 7)

Candidates sought for Associate Dean position

Dr. James B. Bartoo, dean of the Graduate School, has appointed a search committee to seek and review nominations and applications for the position of Associate Dean of the Graduate School.

The committee consists of Dr. Herberta Lundgren, chair (Health, Physical Education, and Recreation), Dr. Phillip Cartwright (Education), Dr. Roland Fleischer (Arts and Architecture), Dr. Earl Graham (Earth and Mineral Sciences), Dr. Paul Grun (Science), Dr. Gerhard Reethof (Engineering), and Dr. Kathryn Towns (Capitol Campus).

The Associate Dean of the Graduate

(Continued on page 3)

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Penn Staters



Dr. Samuel M. Curtis, professor of agricultural education at the University, has been named head of the Agricultural Education Department, effective March 1.

Dr. Curtis is serving currently as interim department head.

His primary research responsibilities include occupational education for the educationally disadvantaged, a multi-level curriculum model and development of a vocational technical catalog for the dairy farmer.

Dr. Curtis has written more than 25 articles and has authored two books.

He teaches courses in agricultural education program development, research in agricultural education, and teacher education in agriculture.

His teaching and research have been recognized with an Outstanding Service Award (Eastern Region American Association of Teacher Educators in Agriculture); an Honorary Keystone Farmer (Pennsylvania Association of FFA) award, chairmanship of the Publications Committee of the American Association of Teacher Educators in Agriculture, and the 1978 1st Award for Instructional Materials (Planning a Career in Agriculture) at the AATEA Eastern Regional Seminar.

Dr. Curtis holds B.S., M.Ed. and D.Ed. degrees from Penn State. He has been a Post Doctoral Fellow at the National Center for Research in Vocational Education at Ohio State University.

Dr. Samuel H. Levine, professor of nuclear engineering and director of the Breazeale Nuclear Reactor, has been appointed chairman of the Interatomic Energy Agency's (IAEA) steering committee on In-Core Fuel Management. Representing more than 100 countries, IAEA monitors the use of nuclear energy in nations that have signed the non-proliferation treaty, provides safeguards for nuclear materials, and guides underdeveloped nations in the peaceful uses of atomic energy.

His committee on In-Core Fuel Management will develop a single, coordinated set of computer codes to analyze nuclear reactor operations in terms of safety and economy. Most of the present codes are protected by patents and thus unavailable for use by smaller, underdeveloped countries.

Engineering Dean N.J. Palladino was one of 34 invited participants at a special meeting on "Nuclear Energy: Safety, Future Development, and Alternative Strategies," held at Ditchley Mansion near Oxford, England. The meeting was sponsored by The Ditchley Foundations, which were created to promote the study of issues of common interest to Britains and Americans, as well as other nationalities.

Dr. Gladys L. Ritchie was one of six alumni selected to receive a citation for achievement from William Jewell College at its Achievement Day program on March 6. Dr. Ritchie, associate dean for academic affairs of the CWC-CE system, graduated from William Jewell in 1952. She holds an M.A. from the University of Colorado and a Ph.D. from Temple.

Jesse F. Core, adjunct professor of mining engineering, has been elected to the National Academy of Engineering.

One of 63 American and 12 foreign engineers honored March 1 with the nation's highest engineering distinction, Professor Core was cited for "outstanding contributions to improvement of health and safety in coal mines and greater efficiency in coal mine layouts."

Those elected to the 17-year-old Academy are deemed to have made important contributions to engineering theory and practice, or to have demonstrated unusual accomplishments in the pioneering of new and developing fields of technology. The Academy now has 1,075 American members and 93 foreign associates.

Professor Core, who received his B.S. in mining engineering from Penn State in 1937 and was a Distinguished Alumnus in 1966, joined the University's faculty in 1977. Earlier that year he had retired as consultant-coal operations for the United States Steel Corporation, after 41 years in the coal industry.

Dr. Raymond G. Ayoub, professor of mathematics, was an invited speaker at the Conference on Algebra and Geometry held Feb. 8-12 at Kuwait University in Kuwait. Dr. Ayoub lectured on "Number Theory as a Source of Algebraic Ideas" and "A Recent Result in Cyclic Fields." The conference was sponsored by the Department of Mathematics of Kuwait University and the Kuwait Foundation for the Advancement of Sciences.

Dr. George E. Andrews, Evan Pugh professor of mathematics and department head, presented three invited lectures at UC-San Diego. His topics were "Partitions," "Ramanujan's 'Lost Notebook,'" and "The Attack on the Lusztig-Macdonald-Wall Conjectures."

Dr. Heinz K. Henisch, professor of the history of photography and a Fellow of the Institute for the Arts and Humanistic Studies, presented a slide lecture, "Early Photography in Eastern Europe," as part of a festival, "Cross-currents: East Europe and America," sponsored by the Center for Russian and East European Studies at the University of Michigan.

Dr. Joseph Jordan, professor of chemistry, presented a seminar entitled "Enthalpimetric Analysis" at Rutgers University on Feb. 26.

H. James Dunlop, buyer in the Department of Purchasing Services, has received the designation of Certified Purchasing Manager (CPM) from the National Association of Purchasing Management, Inc. The designation is awarded only to individuals who demonstrate proficiency in purchasing and who successfully pass four comprehensive examinations covering all phases of purchasing. Mr. Dunlop joined the staff in 1970.

Bookshelf

Two faculty members at the Beaver Campus have co-authored two text books.

Dr. Ronald J. Harshbarger and Dr. James J. Reynolds have written *Mathematical Applications for Management, Life, and Social Science and Selected Solutions for Mathematical Applications for Management, Life, and Social Sciences*. The books were published by D.C. Heath Company.

The 608-page text presents mathematical skills and concepts and applies them to areas that are important to students in business, economics, and the life and social sciences.

Dr. Harshbarger, an associate professor of mathematics, joined the University in 1965. A graduate of Shippensburg State College, he received his M.S. from the University of New Hampshire and Ph.D. in curriculum and supervision from the University of Pittsburgh.

Among his publications are *Essential Business Mathematics, Introductory*

Engineering honors four faculty members

The College of Engineering honored four of its faculty members at its annual Engineers' Week banquet on Feb. 28. The Outstanding Achievement in Research Award was presented to Dr. Stephen J. Fonash, professor of engineering sciences. Excellence in Teaching Awards were presented to Robert Barkowiak, professor of engineering at Allentown; William A. Daniels, instructor of aerospace engineering; and Dr. Inyong Ham, professor of industrial engineering.

Dr. Fonash, a Penn State graduate, received his Ph.D. from the University of Pennsylvania and joined the faculty in 1968. His research interests include photovoltaics; ion, gas, and temperature sensors; hetero junctions; liquid/semiconductor junctions; Schottky barrier-type devices; and thin film properties and devices. He initiated and directed a project to develop electrochemical photovoltaic cells for solar energy conservation, and he created the Thin Film Laboratory. His research has been sponsored by the National Science Foundation, NASA, Westinghouse, and Centre Nationale de la Recherche Scientifique.

Algebra for College Students, Intermediate Algebra for College Students, Business Mathematics, Students Guide to Introductory Algebra and Students Guide to Intermediate Algebra, all published by Harper & Row.

Dr. Reynolds, an assistant professor of mathematics, joined the Behrend faculty in 1969 and moved to the Beaver Campus the following year. His bachelor's degree was granted by Colgate University, and his M.A. and D.Ed. by Penn State. He is the author of a number of articles in mathematics journals.

Carpoolers

Share driving or accept riders. Alexandria to campus via Rt. 45. Hours: 7:45 a.m. to 4:45 p.m. Call Bev Jones, 865-9533. Home: 669-9182.

Cindy Breen would like a ride from Warrior's Mark, leaving about 7:30 a.m. and returning at 5 p.m. Call her at either 863-2616 or 692-8545.

Tom Lintner seeks to form a carpool to depart Huntingdon at 7 a.m. and State College at 5:30 p.m. He invites riders and/or drivers and may be contacted days at 865-2165 or evenings at 643-6313.

Promotions Faculty

David A. Martin to assistant professor of business administration at Schuylkill.

Staff Exempt

Richard M. Diruzza to dean of student affairs at Beaver.

Richard S. Harris to assistant manager, Commonwealth Campus engineering services in Physical Plant.

Nicholas G. Otzel to director of personnel services at Hershey.

Staff Non-Exempt

Deborah A. Berkish to senior research technician at Hershey.

Kim E. Leitze to research technician at Hershey.

Steven C. Swigart to research technician at Hershey.

John J. Wert Jr. to senior research technician at Hershey.

Elizabeth M. Witkowski to senior research technician at Hershey.

Clerical

E. Susan Bennett to patient unit secretary at Hershey.

Sherry A. Ishler to clerk, records A in Registrar.

Norine A. Kirk to clerk typist A at Beaver. Lori Ann McDowell to clerk registration A in Continuing Education.

Professor Barkowiak received his B.S. from Penn State and his M.S. in electrical engineering from Drexel University. He joined the Allentown Campus in 1964. On student evaluation forms, he usually averages a 4.49 out of a possible 5.0. Students stress his organizational abilities and his concern for undergraduates having trouble understanding course materials.

Mr. Daniels joined the university faculty in 1977. Besides carrying a substantial teaching load, he supervises student employees in the Rheology Laboratory.

The senior member to receive the teaching award, Dr. Ham began teaching at Penn State in 1958. Graduating seniors in industrial engineering have consistently named his IE 438 course, "Manufacturing Systems," as one of the most worthwhile courses they have taken. They cite Dr. Ham's outstanding knowledge, meticulous preparation and excellent pedagogy. In the Fall 1980, Dr. Ham introduced a new course, "Manufacturing Systems Engineering," which has become the most popular technical elective course in his department.

Melanie S. Romig to technical secretary C in Science.

Barbara Shulman to secretary B in Earth and Mineral Sciences.

Cindy J. Teets to secretary B, Continuing Education at Hershey.

Technical Services

William Bathgate to maintenance worker general C in Physical Plant.

Donald E. Garver to maintenance worker general B at Altoona.

John Gibbony to parcel carrier in Business Services.

Debbie J. Korman to baker-utility in Housing and Food Services.

Jack H. Phillips to bookstore helper at Delaware County.

Donald G. Rager to maintenance worker general A at Shenango Valley.

Steven A. Rayhorn to tire surgeon A, apprentice in Physical Plant.

Kim L. Yearick to technician, TV and electronics B in Agriculture.

Obituaries

Clarence E. Bullinger, who served as head of the Department of Industrial Engineering from 1930 until his retirement in 1955, died Feb. 20 at the age of 88. He earned his B.S. degree from Penn State in 1921 and joined the faculty as an instructor the following year. The author of two books and a number of articles, Prof. Bullinger served with a Purdue University foreign aid team in Taiwan after retirement and subsequently taught at Iowa State, Texas A&M, and the University of Richmond.

Tien-Hsi Cheng, professor emeritus of zoology, died March 3 at the age of 68.

A member of the faculty from 1949 to 1972, Dr. Cheng received his bachelor's degree in biology at Fokien Christian University in his native China. He earned a second bachelor's degree at Dickinson College, and M.S. and Ph.D. degrees at Ohio State University.

A 1964 recipient of the Lindback Award for Distinguished Teaching, Dr. Cheng also made a number of scientific contributions through his research on insecticides.

Margaret S. Salgiver, a clerk typist in the College of Agriculture from 1948 to 1970, died Feb. 22. A State College native, she was 58.

Rose M. Nazarenko, a nutrition aide supervisor in the College of Agriculture, died Feb. 21. A member of the staff since 1977, she was 60.

Faculty/Staff Alerts

Editor's note: The University issues a number of notices each year affecting personnel matters, benefits and the payroll at ALL campuses. To ensure that this important information is readily available, it will appear henceforth under the above INTERCOM heading.

1980 major medical claims due by end of March

March 31, 1981, is the last date on which the Employee Benefits Division will accept charges for a 1980 major medical claim for University employees or their dependents. A major medical claim is established if an employee reports \$100 of deductible, out-of-pocket medical expenses incurred during the calendar year 1980.

Charges that are acceptable for a major medical claim include doctors' office calls, prescribed drugs, private duty nursing (if medically necessary), local ambulance service, oxygen, physiotherapy, insulin and special equipment and appliances. Among charges not covered are routine physical exams, dental work, eye exams and lenses.

Itemized receipts should be obtained for deductible charges and submitted to the Employee Benefits Division with a claim form. In order to avoid delay of payment by the insurance company, all questions in the employee's section of the claim form should be fully completed. Cancelled checks and cash register receipts are not acceptable evidence of charges incurred.

Claim forms and additional information on how to report a major medical claim are available at the Employee Benefits Division, Room 133 Willard Building; the Business Offices at locations other than University Park; and the Personnel Office at the Hershey Medical Center.

Ad policy restated

The Office of Personnel Administration would like to remind faculty and staff members of the University policy regarding the placement of help wanted advertising.

The Manager of the Employment Division is responsible for reviewing the wording of all help wanted advertisements to ensure their compliance with State and Federal legislation and that a standard of public relations is maintained. (See PS-33, Help Wanted Advertising in the University Policy Manual.)

Anyone wishing to place classified advertisements for faculty or staff vacancies should contact Robert L. Kidder, manager, Employment Division, 865-1387 (Network number 475-1387) before taking any formal action.

Ask the Editor

Q: What is the University Policy on access to building and the issuance of keys to faculty?

A: Faculty have access to most buildings on campus during normal business hours. Keys are routinely issued to faculty for the building in which they have an office/lab and their office/lab. Issuance of any other keys is on an exception basis and justification must be made for the need for the additional keys. Requests for the issuance of additional keys are made through the Department Head or Dean to whom the area is assigned.

David E. Stormer
Director, University Safety

Senate

(Continued from page 1)

suggested revising the duties of Senate Council: the most controversial portion of the recommendation read: "It (Senate Council) shall recommend to the President and Provost on the establishment, reorganization or discontinuation of organizational units and areas of the University which involve two or more of teaching, research and continuing education functions."

At the present time, such recommendations are the province of the Senate's Committees on Undergraduate Instruction and Research and of the Graduate Council.

Marlyse Taylor pointed out that the Senate would be encouraging increased centralization at a time when the colleges need flexibility in planning. Senator Irwin Feller agreed that establishing another oversight body would blur the lines of responsibility between the colleges and Council.

Dr. Feller, an ex officio member of Senate Council, noted that the group was "an entity in search of itself" without a clear sense of whether it was a procedural body — whose job was to set the agenda for Senate meetings — or a more substantive body — which discussed the merits of committee recommendations and had the power to return a proposal to committee.

"The legislation is intended to address the mission of Senate Council," he said, "without making the point that it is necessary, that current procedures are inadequate."

Sally Small said that Council would assume some of the duties of IRC and provide a single group to look at issues from a total University point-of-view.

Dean Stanley F. Paulson of Liberal Arts said that, in his opinion, the legislation was so vague that it should be deleted or sent back to committee. Dr. McCarl suggested deleting the paragraph, and Edward G. Buss, who was presenting the legislation to the Senate, said he felt the legislation should be withdrawn if its intent was unclear.

As the debate continued, Arthur Lewis suggested that "if we have to find something for Senate Council to do, maybe we should abolish Council instead of IRC." Dr. Bergman made a plea for giving Council meaningful work.

Motions to delete the paragraph or return the measure to committee failed. However, the legislation was amended to read: "It shall advise upon consultation with the Committees on Undergraduate Instruction, Research and the Graduate Council, as appropriate, the President and Provost. . . ."

A fourth Committees and Rules proposal to broaden the workload and power base of the Senate was passed. The new legislation says: "Elected members of the Senate Council and members of the Committee on Committees and Rules of the Senate may not serve as members of standing committees of the Senate except in such ex officio capacities as may now or in the future be designated. This restriction of committee membership may be suspended on an individual basis by a 2/3 vote of the senators present at a regular or special meeting."

Elected members of the Senate Council will also be prohibited from serving on Committees and Rules.

In the hour-plus forensic session which followed, the Faculty Affairs Committee, which is studying the Joint Committee recommendations on PS-23, sought input from senators before preparing legislation. Six recommendations are under consideration. (Three were acted upon last June.)

Recommendation 4 questions whether college- and university-level review committees should make substantive judgments or concentrate on procedural matters.

Senator Daniel R. Frankl said that he

believed "the decision should be returned closer to where it was — to the appropriate department."

President Oswald, noting that the University is currently trying to strengthen even further the University-level review committee, said he thought it would be a mistake "to turn it into a computer and have it count but not be able to judge substantively. . . . I would hate to be in a position of receiving advice that is only procedural."

Dr. Oswald pointed out that he and the Provost have followed the recommendations of the University committee in 95 to 100 percent of the cases which it forwarded to them.

"Some of our best scholars, teachers and experienced academic administrators are members of this committee," he said, "giving it the breadth that is needed to cover an institution with the diversity of Penn State."

Similar sentiments were voiced by Senators Peter Bennett and Dr. McCarl. Capitol Provost Theodore Gross noted that if standards are not monitored throughout the University, colleges with weaker standards will become weaker while those with higher standards become stronger.

Recommendation 5 addresses the issue of whether Deans have the authority to veto a faculty member's candidacy for promotion and tenure. Dr. Bergman, a member of the Joint Commission, observed that the group had studied this issue exhaustively and concluded that "the buck has to stop somewhere and the Dean has to make some decisions. However, to make it more palatable," he added, "a Dean would be required to explain the decision."

Recommendation 6 asks whether there should be a "mission statement" in PS-23. Sherwood Stutz of DuBois protested what he saw as changing expectations of the faculty member's role. Cara-Lynne Schengrund, Faculty Affairs chairman, replied that PS-23 does contain a qualifier which speaks to changing needs and priorities in the institution.

Referring to the problem of weighting criteria for promotion and tenure, Peter A. Thrower said that "there may be no real answers to some of the questions which are being stirred up. How do you weight the contribution of an architect who designs a home for a friend?" he asked, "against the contribution of a geologist advising on a technical problem in the field?"

The use of teaching evaluations, the subject of Recommendation 7, provoked some discussion, with Dr. Heinsohn suggesting that individual faculty members, as well as administrators, have some input into devising evaluations. Responding to the complaint of a student senator about professors administering and tabulating their own evaluations, Dr. McMurtry acknowledged that there might be occasional abuses but said it was not fair to generalize or criticize the entire process of evaluation. Rather than try to devise a uniform policy, he suggested that evaluation instruments be prepared by individual units. Dr. Lewis concurred.

Richard G. Cunningham pointed out that evaluation forms may contain as many as 80 questions and proposed shortening them. Edward Klevans said that the University needed to develop guidelines for meaningful interpretation of the data collected on the forms.

Dr. McCarl concluded the discussion by remarking that while students can evaluate such matters as "whether I'm on time, whether I speak loudly or write well on the board," he was less certain of their ability to determine whether a textbook or subject matter was appropriate.

In discussing Recommendation 8, monitoring of the promotion and tenure process, Dr. Cahir — to applause — proposed acting "to streamline the process rather than make it more cumbersome."

A similar view prevailed in the consideration of Recommendation 9 on whether separate "Administrative Guidelines" should be issued annually.

Seminars

March 13-22

Tuesday, March 17
Organic/Inorganic Chemistry, R. Franck, Fordham Univ., on "Synthetic Approaches to the Olivomycins," 8 p.m., Room 333 Whitmore.

Thursday, March 19
Ceramic Science and Engineering, Roger R. Wills, Battelle Labs., Columbus, on "Host/Inorganic Pressing of Ceramics," 11 a.m., Room 301 Sieidle.
Chemistry, Yuan-Lei, Univ. of California/Berkeley, on "Molecular Beam Studies of Reaction Dynamics," 12:45 p.m., Room 333 Whitmore.

Economics/Institute for Policy Research and evaluation, Robert Clower, Univ. of California/Los Angeles, on "Foundations of Industrial Organization Theory," 2 p.m., Room 124 Sparks.

Physics, John Hall, National Bureau of Standards, Colorado, on "Precision Dye Laser Spectroscopy," 3:55 p.m., Room 445 Davy.
Agronomy, Andrew Rogowski, NE Watershed Research Center, on "Geostatistics in Agriculture," 3:55 p.m., Room 111 Tyson.
Fuel Science, Randy Winans, Argonne Labs., on "New Approaches to the Separation and Chemical Characterization of Coal Minerals," 4 p.m., Room 301 Sieidle.

Candidates

(Continued from page 1)

School is responsible to the Dean and serves as the academic officer in charge of graduate student programs. Specific duties of the position involve responsibility for the academic involvement and concerns of graduate students from their admission to graduation, involving: (1) registration, (2) admission, (3) maintenance of records, (4) appointment of graduate committees for doctoral students, (5) scheduling of doctoral comprehensives, (6) approval of students for graduation, and (7) handling of student academic problems.

The candidate must have an established record of scholarship and research and experience as a senior member of the graduate faculty in teaching and directing graduate student research. Knowledge of the policies and procedures of the Graduate School, and the ability to provide leadership, organize tasks and supervise staff are essential. Some experience in research management is desirable.

It is expected that the appointee will participate as a member of a graduate program faculty on a part-time basis.

This position will be available on July 1, 1981. Nominations and letters of application (with resumes) should be received by April 1 and addressed to: Dr. Herberta M. Lundegren, Chair, Graduate School Associate Dean Search Committee, 205 Kern Graduate Building, University Park, PA 16802.

AAUW requests donations for annual used book sale

The State College Branch of the American Association of University Women requests donations of all types of books for its annual used book sale to be held the week of April 27.

AAUW is also happy to receive LP records, art prints, sheet music, maps, dress patterns, children's magazines, literary and historical journals, and such specialized magazines as Antiques, Etude, Needlework, Arizona Highways, Popular Mechanics and Genealogy.

Donations may be left at the yellow collection bin on Aaron Drive at N. Atherton Street, at the box just inside the door of Thrift Drug on Westley Parkway, and at Schlus Memorial Library. For pickup of large donations, call 237-8068.

Proceeds from the sale, which is held at the Wesley Foundation, go to help local and national educational programs and fellowships.

University Park Calendar

Spring Term 1981



Friday, March 13

Orientation tours of Patee Library: 9 and 11 a.m.: 1 and 3 p.m.
Commonplace Theatre, *Gone with the Wind*, 7 p.m. only, Room 112 Kern. Also March 15.
Margaret LeCone, violin, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, March 14

Sports: ice hockey vs. Binghamton, 3:30 p.m.; gymnastics (men) and (women) vs. Pittsburgh, 8 p.m.
France-Cinema, Skolomowski, *The Shout*, 7 and 9 p.m., Room 112 Kern. Also March 16.
Artists Series, New York Woodwind Quintet, 8:30 p.m., Schwab Auditorium.
Student Foundation for Performing Arts, Pat Bond in "Gerty, Gerty, Gerty Stein is Back, Back, Back," 8:30 p.m., HUB Ballroom.

Sunday, March 15

Free U. registration, 11 a.m.-3 p.m., Room 225 HUB.
University Chapel Service, 11 a.m., Eisenhower Chapel. Lynn Shivers, Society of Friends, Philadelphia, speaker.
Sports: tennis (men) vs. George Washington, 1 p.m.
Annette Torregrosa, cello, 3 p.m., Music Bldg. Recital Hall.

Week of March 16

Monday, March 16

Fixed date for meetings involving Commonwealth Campus Four - March Conference. Also March 17 and 18.
Sports, Health and Recreation Activities Week, sponsored by HPER, through March 22.
STS/TCO, luncheon, noon; talk, 12:20 p.m., Room 101 Kern. Bert L. Fenner, music, on "Twentieth Century Canon: Technology, Dux, Music, Comes."
Coke Slide Club meeting, 7:30 p.m., Room 189 MRL.
HUB Craft Center, open house, 7:30-9:30 p.m., Room 312 HUB.
GSA Irish Social, Jim Corr and Friends, 8 p.m., Room 102 Kern.

Tuesday, March 17

IAHS lecture, 12:45 p.m., Room 313 Burrows. Alberto Limentani, Univ. of Padua, talks on Venice and medieval French literature (in French).
Comp. Lit. Film Series. *Duet for Cannibals* 77 and 9 p.m., Room 112 Kern.
History of Photography lecture, 8 p.m., Room 101 Kern. Naomi Rosenblum, photohistorian, New York City, on "Adolphe Braun (1812-1877), the Man and His Work."

Black Studies Program lecture, 7:30 p.m., Robeson Center. Edris Makwand, Univ. of Wisconsin, on "The African Sources of Alex Haley's Roots."

Wednesday, March 18

HUB Craft Center, Spring Term first session classes begin, Room 312 HUB.
IAHS lecture, 9:35 a.m., Room 328E Human Development. Alberto Limentani, Univ. of Padua, discusses Dante (in Italian).
Commons concert, Dan Johnson, noon, Kern Lobby.

Black Studies Symposium, 8 p.m., Robeson Center. Saunders Redding, Afro-American scholar, discusses Afro-American literature. English Colloquium, 8 p.m., Room 305 HUB. Joanne Troutman, humanities and English (Hershey), discusses her experiences as an instructor of medical students.
Koya Ohnoho, organ, 8:30 p.m., Music Bldg. Recital Hall.

Black Studies Program, "A Dialogue Between Edris Makwand and Saunders Redding," 2:20 p.m., Room 112 Sackett.

Thursday, March 19

URTC, Anton Chekhov, *The Cherry Orchard*, 8 p.m., The Pavilion Theatre. Also March 20-21, 24-28, 31 and April 1-4.

Friday, March 20

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Alistair Fraser, meteorology, on "Sell It with a Rainbow."
History of Photography lecture, 4 p.m., Room 101 Kern. H.K. Henisch, history of photography, on "Focus on Vienna."
Commonplace Theatre, *The Last Waltz*, 7 and 9 p.m., Room 112 Kern. Also March 22.
Sports: tennis (men) vs. Swarthmore, 7:30 p.m.; ice hockey vs. Pittsburgh, 9:30 p.m.; Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Artists Series, Pennsylvania Ballet Company with Orchestra, *Coppelia*, 8:30 p.m., Eisenhower Auditorium. Also March 21 and 22 (3 p.m. on March 22).

Saturday, March 21

Sports: fencing (women), AFLA Qualifying Meet; volleyball (men), Penn State Invitational; tennis (men) vs. Columbia, 2 p.m.; lacrosse (men) vs. Lehigh, 2:15 p.m.; ice hockey vs. Pittsburgh, 8 p.m.
France-Cinema, *Brusati, To Forget Venice*, 7 and 9 p.m., Room 112 Kern. Also March 23.

Sunday, March 22

University Chapel Service, 11 a.m., Eisenhower Chapel. The Rev. Merrill White, Hillcrest Church of Christ, State College, speaker.
Sports: tennis (men) vs. Pittsburgh, 1 p.m.
Lynne Shigley, clarinet, 3 p.m., Music Bldg. Recital Hall.
Master Works for piano and strings, McKee, Page, Triolo and Williams, 8:30 p.m., Music Bldg. Recital Hall.

Friday, March 27

Sports: volleyball (men) vs. Army, 7 p.m.; Contemporary Dance Company, 8:30 p.m., Eisenhower Auditorium.
Mary Beth Ions, violin, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, March 28

Sports: fencing (women) vs. Temple, Cornell, Indiana, Pa., and William Paterson, 9 a.m.; baseball vs. Navy (DH), 1 p.m.; lacrosse (women) vs. James Madison, 3 p.m.; volleyball (men) vs. Rutgers/Newark, 7 p.m.
Contemporary Dance Company, 2:30 and 8:30 p.m., Eisenhower Auditorium.
Artists Series, McCarter Theatre Company in *Moby Dick Rehearsed* by Orson Wells, 8:30 p.m., Schwab.

Penn State Percussion Ensemble, 8:30 p.m., Music Bldg. Recital Hall.

Sunday, March 29

University Chapel Service, 11 a.m., Eisenhower Chapel. The Rev. John J. Wenke, PSU Lutheran Student Parish, speaker.

Week of March 30

Monday, March 30

French Dept. lecture, 7:30 p.m., Room 101 Kern. André Martinet, Université René Descartes, Paris, on "Linguistic Dynamics and Diachrony."
German Dept./IAHS lecture, 8 p.m., Room 124 Sparks. Walther Huder, Free Univ., Berlin, and Academy of Arts, West Berlin, on "Die goldenen Zwanziger Jahre."

Tuesday, March 31

Gallery Talk, 10:30 a.m., Museum of Art. Donald Gordon, fine arts, Univ. of Pittsburgh, on "Egon Schiele and Expressionism."
Comp. Lit. Luncheon, 12:15 p.m., Room 204 HUB. Damir Kalogjera, Univ. of Zagreb, on "American Literary Influences in Yugoslavia."

Wednesday, April 1

London Bus tours begin, 1:30 and 2:30 p.m., HUB Main Entrance.
Robeson Center Film Series, Paul Robeson in *Emperor Jones*, 7:30 p.m., Walnut Bldg.

Thursday, April 2

Sports: softball (women) vs. East Stroudsburg, 2 p.m.
URTC/Kern Theatre, *Jacques Brel is Alive and Well and Living in Paris*, 8 p.m., Room 112 Kern. Also April 3-5.

Friday, April 3

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Paul Simkins, geography, on "The Prospects for Curbing Population Growth in Latin America."
Sports: tennis (women) vs. James Madison, 6 p.m.
Artists Series, Gewandhaus Orchestra of Leipzig, 8:30 p.m., Eisenhower Auditorium.

Saturday, April 4

Penn State Alumni Association, Alumni Day. Sports: softball (women) vs. Temple, 1 p.m.; tennis (women) vs. Rutgers, 8 a.m.
Penn State Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sunday, April 5

Sports: tennis (women) vs. Bucknell, 9 a.m.
France-Cinema, Bergman, *The Virgin Spring*, 7 and 9 p.m., Room 112 Chambers. Also April 6 in Room 112 Kern.

Week of April 6

Monday, April 6

Interdisciplinary Symposium on Value, 7:30 p.m., Room 101 Kern. Larry Spence, political science, on "The Morality of Science and Technology" (rescheduled).
Archaeological Institute of America lecture, 8 p.m., Room 111 Forum. Stuart Fleming, applied science section, Univ. of Pa. Museum, on "The Egyptian Mummy: Secrets and Science."

Black Studies Symposium, time to be announced. Robeson Center. Charles Blockson, Philadelphia, on "New Research in Pennsylvania Black History."

Tuesday, April 7

Comp. Lit. Luncheon, 12:15 p.m., Room 204 HUB. Stanley Weintraub, English, on "The Playwright and the Pirate: G.B.S. and Frank Harris."
School of Music Common Hour, 1 p.m., Music Bldg. Recital Hall. Music by Dominick Argento.

IAHS/English Colloquium, 1:30 p.m., Room 101 Kern. James L. Kinneavy, Univ. of Texas, on "From Theory to Practice in Teaching Composition: An Historical Perspective."

Sports: tennis (men) vs. Univ. of Pa., 2 p.m.
University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

Comp. Lit. Film Series, *Everything for Sale*, 7 and 9 p.m., Room 112 Kern.
Artists Series film, Brooks, *Young Frankenstein* (1975), 8 p.m., Schwab.

Week of March 23

Monday, March 23

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Kenneth Corey, Univ. of Maryland, on "Neighborhood Grantsmanship: An Approach for Grass-Roots Self-Reliance in the 1980s."
History of Photography lecture, 8 p.m., Room 101 Kern. Gillian Greenhill, grad. student, art history, on "Photography and the Quest for the Third Dimension."
Barbara Hawman, horn, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, March 24

Comp. Lit. Luncheon, 12:15 p.m., Room 204 HUB. Robert Fitzgerald, Harvard Univ., on "Translating Homer."
Comp. Lit. Film Series, *Enjo*, 7 and 9 p.m., Room 112 Kern.

Archaeological Institute of America lecture, 8 p.m., Room 102 Forum. Eugene Borza, history, on "The Search for Alexander: Exhibition: Some Background and a Preview."
Artists Series film, *Whale. The Bride of Frankenstein* (1935), 8 p.m., Schwab Auditorium.

German Dept./IAHS lecture, 8 p.m., Room 167 Willard. Helmut Mussener, German Institute, Univ. of Stockholm, on "German Studies in Sweden."

Wednesday, March 25

Commons concert, noon, Kern Lobby.
STS/TCO, luncheon, noon; talk, 12:20 p.m., Room 101 Kern. Rob Fisher, Bellefonte sculptor, on "The Artist as Mad Scientist."
Robeson Center Film Series, *James Earl Jones in Paul Robeson*, 7:30 p.m., Walnut Bldg.
Graduate School lecture, 8 p.m., Room 112 Kern. Robert Fitzgerald, Harvard Univ., speaker.

Alard String Quartet, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, March 26

Board of Trustees meeting, The Milton S. Hershey Medical Center. Also March 27.
Archaeological Institute of America, excursion to "The Search for Alexander" exhibit. Washington, D.C. Info: 865-8851.
Sports: tennis (men) vs. Brown Univ., 10 a.m.
History of Photography lectures, 2 p.m. and 8 p.m., Room 101 Kern. 2 p.m., John Collier, San Francisco Art Institute and San Francisco State College, on "Photography during the Great Depression." 8 p.m., Kathleen Fuller, grad. asst., on "Photography and Politics."

15 lecture, 8 p.m., Room 102 Forum.
Dominick Argento, composer of new choral
work for University Choirs, speaker.
Music Program/IAHS lecture, 8 p.m.,
Room 107 Willard. Wolfgang Dressler,
Univ. of Vienna, on "Socio-Linguistic
Problems in German as Spoken in Austria."

Wednesday, April 8

15 TCD, luncheon, noon, talk, 12:20 p.m.,
Room 101 Kern. William H. Allison, theatre
arts and art, to dean, Arts and Architecture,
on "Some Applications of Modern
Technology to the Theatre."
16 School of Music, Music in Interesting Times,
Musica da Camera plays "Queen of Tonga
Suite," 2:20 p.m., Music Bldg. Recital Hall.
17 Penn State Center Film Series, Paul Robeson in
Song of Freedom, 7:30 p.m., Walnut Bldg.

Thursday, April 9

15 School of Music Common Hour, 1 p.m., Music
Bldg. Recital Hall. Music by Dominick
Argento.
16 Sports: tennis (men) vs. Howard, 2:30 p.m.;
baseball vs. Juniata, 3 p.m.
17 College of Agriculture Education lecture, 3:30
p.m., HUB Auditorium. Professor Richard
A. Baer, Jr., Cornell University, on "The
Fact/Value Split in the College of
Agriculture."
18 College of Arts and Sciences, Room 112 Kern.
Tim Culnan, World Bank, on "American Art-
istic Toward Developing Countries."

Friday, April 10

15 Ideas for meetings involving Com-
monwealth Campus Faculty, Also April 11.
16 Annual Slavic Folk Festival, 9 a.m.-10
p.m., Robeson Cultural Center. Also April
11.
17 Geography Dept. Coffee Hour, 3:45 p.m.,
Room 319 Walker. Frederick Wernstedt,
geography, on "Tourists in Mexico: Who
They Are, Where They Go and Why They
Matter."
18 Arts Series, Vincent Price as Oscar Wilde in
Devotions and Delights by John Gay, 8:30
p.m., Eisenhower Auditorium.

Saturday, April 11

15 Sports: lacrosse (women) vs. William and Mary,
1 p.m. and (men) vs. Drexel, 7:15 p.m.; soft-
ball (women) vs. Cortland State, 1:30 p.m.;
Base-Cinema, *Cocoteau, Beauty and the Beast*,
7 and 9 p.m., Room 112 Kern. Also April 13.
16 Leonard Brown and the University Choirs,
eminent performance of "Peter Quince at the
Clavier," by Dominick Argento, 8:30 p.m.,
Schwab Auditorium.

Sunday, April 12

15 University Chapel Service, 11 a.m., Eisenhower
Chapel. Roosevelt Green, Jr., minority af-
fairs, PSU Graduate School, speaker.
16 Sports: softball (women) vs. Ithaca, 2 p.m.;
Base State Blue Band, 8:30 p.m., Eisenhower
Auditorium.

Week of April 13

Monday, April 13

15 Sports: lacrosse (women) vs. Slippery Rock, 3
p.m.

Tuesday, April 14

15 HUB Craft Center, first session classes end;
registration for second session classes
begins, noon-5 p.m., Room 312 HUB.
16 HUB Lit. Luncheon, 12:15 p.m., Room 204
HUB. Margaret and David Boren,
Georgetown Univ., on "Aspects of
Simultaneous and Consecutive
Translation."
17 Comp. Lit. Film Series, *The Pawnbroker*, 7 and
9 p.m., Room 112 Kern.
18 Sports: volleyball (men) vs. Pittsburgh, 7 p.m.;
Base Series, Heinz Holliger, oboe, 8:30 p.m.,
Schwab Auditorium.

Wednesday, April 15

15 Penn State Center Film Series, Paul Robeson in
The Tallest Tree in Our Forest, 7:30 p.m.,
Alumni Bldg.
16 Arts Lecture, 8 p.m., Eisenhower
Auditorium. Gerard O'Neill on "Space
Colonies and Energy from Space."

Thursday, April 16

15 Sports: lacrosse (women) vs. Temple, 3 p.m.;
Base Initiative, 4 a.m., Nittany Lion Inn.
16 HUB Craft Center, open house, 7:30-9:30 p.m.,
Room 312 HUB.

Friday, April 17

15 Sports: track (women), Lady Lion Relays, 10
a.m.; volleyball (men) vs. George Mason, 7
p.m.

Geography Dept. Coffee Hour, 3:45 p.m.
Room 319 Walker. Arthur Anderson,
architecture, on "Post-Modernism."

Saturday, April 18

15 Sports: track (men), Memorial Invitational,
noon: baseball vs. Robert Morris (DH), 1 p.m.;
softball vs. Rutgers, 1 p.m.
France-Cinema, "The 14th Tournee of
Animation," 7 and 9 p.m., Room 112 Kern.
Also April 20.

Sunday, April 19

15 HUB Craft Center, second session classes begin,
Room 312 HUB.
16 University Chapel Service, 11 a.m., Music Bldg.
Recital Hall. University Chapel Easter
Service, Tommie Irwin, director.

Week of April 20

Monday, April 20

15 Sports: tennis (men) vs. Navy, 2:30 p.m.
Color Slide Club meeting, 7:30 p.m., Room 189
MRI.
16 College of Science, Priestley Lecture Series, 8
p.m., Room 333 Whitmore. Michael J.S.
Dewar, Univ. of Texas, on "Quantum
Mechanics as a Practical Chemical Tech-
nique." Also April 21, 22 and 23.
17 History of Photography lecture, 8 p.m., Room
101 Kern. Robert C. Snider, photohistorian,
Washington, D.C., on "From Talbot to
Television."

Tuesday, April 21

15 Comp. Lit. Luncheon, 12:15 p.m., Room 204
HUB. Gregory Rabassa, Queens College, on
"Aguilera Malla and Magical Realism in
Latin American Literature."

16 Sports: lacrosse (women) vs. Lock Haven, 3
p.m.
Dance workshop, student choreography
presented, 5:45 p.m., White Bldg. Dance
Theatre.

17 Comp. Lit. Film Series, *Madame Bovary*, 7 and 9
p.m., Room 112 Kern.

18 History of Photography lecture, 8 p.m., Room
101 Kern. John Faber, photohistorian,
National Press Photographers Assn., on
"Photojournalism: Ambition and Reality,"
Museum of Art lecture, 8 p.m., Museum of Art.
Anthony Cutler, art history, on "Icons and
Iconography."

Wednesday, April 22

15 O'Clock Theatre, Howard Mermel, Long
Distance, 5:30 p.m., The Pavilion Theatre.
Also April 23 and 24.

16 Musica da Camera, 8:30 p.m., Music Bldg.

Thursday, April 23

15 Deadline for submitting reserve reading lists for
Summer Term, Reserve Reading Room,
W11 Pattee.

16 STS/TCD, luncheon, noon, talk, 12:20 p.m.,
Room 101 Kern. Philip Klask, English, on
"Literature and Technology."

17 Sports: baseball vs. Bucknell (DH), 1:30 p.m.;
lacrosse (women) vs. Maryland, 3 p.m.

18 Archaeological Institute of America lecture, 8
p.m., Room 101 Kern. Dwight Wallace,
SUNY/Albany, on "The Quiche Maya."

19 Black Studies symposium, 3:30 p.m., Rare
Books Room, Pattee. Dan Lego, human
development, on "Research Opportunities
Focusing on Black Age."

Friday, April 24

15 Sports: volleyball (men), ECVL Championships,
through April 25.
16 Geography Dept. Coffee Hour, 3:45 p.m.,
Room 319 Walker. Charles Ameringer,
history, on "Costa Rican Democracy: Is
There Trouble Ahead?"

17 Artists Series, Bella Lewitzky Dance Company,
8:30 p.m., Eisenhower Auditorium. Also
April 25 and 26 (2:30 p.m., on April 26).

18 Jazz Blue Band concert, 8:30 p.m., Music Bldg.
Recital Hall.

Saturday, April 25

15 Little International Livestock Show, 8 a.m.-3
p.m., University Bldg./Sheep Center.
16 Sports: golf (men), Nittany Lion Invitational, 8
a.m. (men) through April 26; softball (women) vs.
Ohio State, 11 a.m.; lacrosse (men)
vs. Hofstra, 2:15 p.m.

Phi Psi 500

France-Cinema, *Rademakers, Max Havelaar*, 7
and 9 p.m., Room 112 Kern. Also April 27.

Sunday, April 26

15 Sports: softball (women) vs. Ohio State, 10:30
a.m. and Slippery Rock, 2:30 p.m.; baseball
vs. Temple, 1 p.m.

University Chapel Service, 11 a.m., Eisenhower
Chapel. Elton Williams, Program for
Churches, Ideals, Inc., State College,
speaker.

Week of April 27

Tuesday, April 28

15 Red Cross Bloodmobile, 10 a.m.-4 p.m., Walnut
Bldg.

16 Comp. Lit. Luncheon, 12:15 p.m., Room 204
HUB. Margaret and David Boren,
Georgetown Univ., on "Aspects of
Simultaneous and Consecutive
Translation."

17 Comp. Lit. Film Series, *The Pawnbroker*, 7 and
9 p.m., Room 112 Kern.

Wednesday, April 29

15 Red Cross Bloodmobile, 10 a.m.-4 p.m., Walnut
Bldg.

16 Sports: baseball vs. Buffalo (DH), 1:30 p.m.;
lacrosse (men) vs. Loyola, M.D., 7:15 p.m.

17 Colloquy lecture, 8 p.m., Eisenhower
Auditorium. Isaac Asimov on "The Future
of Man."

18 History of Photography lecture, 8 p.m., Room
101 Kern. Charles W. Mann, Jr., Pattee
Library, on "The Great Exhibition of 1851."

19 Alvin String Quartet, 8:30 p.m., Music Bldg.
Recital Hall.

Thursday, April 30

15 URTC, Paul Giovanni, *The Crucifier of Blood*,
8 p.m., The Playhouse. Also May 1-2, 5-9
and 12-16.

Friday, May 1

15 Sports: baseball vs. Lafayette, 3 p.m.
Geography Dept. Coffee Hour, 3:45 p.m.,
Room 319 Walker. Allan Rodgers,
geography, on "Prospects for Economic
Development in the Soviet Far East."

16 Penn State Symphonic Wind Ensemble, 8:30
p.m., Music Bldg. Recital Hall.

Saturday, May 2

15 56th Annual Penn State Dairy Exposition, 8:30
a.m.-3 p.m., University Dairy Barns.

16 Sports: tennis (women) vs. Michigan, 10 a.m.;
track (men), Nittany Lion Relays, 10 a.m.;
baseball vs. West Virginia (DH), 1 p.m.;
Blue/White football game, 2 p.m.

17 France-Cinema, Armstrong, *My Brilliant
Career*, 7 and 9 p.m., Room 112 Kern. Also
May 4.

18 University Choirs, 32nd Annual Spring
Concert, 8:30 p.m., Eisenhower Auditorium.

Sunday, May 3

15 University Chapel Service, 11 a.m., Eisenhower
Chapel. Thomas C. Poole, PSU Office of
Religious Affairs, speaker.

16 Sports: baseball vs. Pittsburgh (DH), 1 p.m.

Week of May 4

Tuesday, May 5

15 Comp. Lit. Luncheon, 12:15 p.m., Room 204
HUB. Josephine Thornton, Mellon Bank and
president, Am. Translators Assn., on
"Problems of Literary vs. Non-Literary
in progress."

16 University Faculty Senate meeting, 2:10 p.m.,
Room 112 Kern.

17 Comp. Lit. Film Series, *Fists in the Pocket*, 7 and
9 p.m., Room 112 Kern. Also May 6.

Wednesday, May 6

15 STS/TCD, luncheon, noon, talk, 12:20 p.m.,
Room 112 Kern. M. Ellis Grove, general
education in the arts, on "A Bible, A Skull,
and a Coil of Rope: The Film-Maker as
Pitchman."

16 Sports: baseball vs. Cornell (DH), 1:30 p.m.;
lacrosse (men) vs. Bucknell, 8 p.m.

17 English Colloquium, 8 p.m., Room 101 Kern.
John K. Crane, English, reads from his novel
in progress.

18 Penn State Chamber Choir, 8:30 p.m., Music
Bldg. Recital Hall.

Thursday, May 7

15 Spring Festival, "Horizons," through May 9.
Penn State Thespians, *Mame*, 8 p.m., Schwab
Auditorium. Also May 8 and 9.

Friday, May 8

15 Geography Dept. Coffee Hour, 3:45 p.m.,
Room 319 Walker. Roy Buck, sociology, on
"Tourism and the Plain People of Lancaster
County."

Saturday, May 9

15 College of Science, Science Expo '81, open
house of the college, 10 a.m.-5 p.m.

16 France-Cinema, Renoir, *Grand Illusion*, 7 and 9
p.m., Room 112 Kern. Also May 11.

17 Sports: lacrosse (men) vs. Army, 8 p.m.

Penn State Symphony Orchestra, 8:30 p.m.,
Eisenhower Auditorium.

Sunday, May 10

15 Honors Convocation.
Sports: tennis (men) vs. Colgate, 1 p.m.
University Glee Club, 8:30 p.m., Eisenhower
Auditorium.

Week of May 11

Monday, May 11

15 Fixed date for meetings involving Com-
monwealth Campus Faculty. Also May 12.
Dept. of Chemistry, Whitmore Lectures, 8 p.m.,
Room 333 Whitmore. Allen J. Bard, Jovoy
professor of chemistry, Univ. of Texas, on
"Photo-electrochemistry: Electrochemical
Systems and Light." Also May 12, 13 and 14
(May 14, 4 p.m.).

Tuesday, May 12

15 Comp. Lit. Luncheon, 12:15 p.m., Room 204
HUB. R. Thomas Berner, journalism, on
"Newspaper Writing as Literary Art."

16 Comp. Lit. Film Series, *Dinner at Eight*, 7 and 9
p.m., Room 112 Kern.

17 Archaeological Institute of America, illustrated
poetry readings, 8 p.m., Room 101 Kern.
Robert Lima, Spanish and comp. lit., on
"Archaeological Sites in Peru and Bolivia."

Wednesday, May 13

15 Nittany Lion Band concert, 6:30 p.m., Fisher
Plaza.

16 Penn State Symphonic Wind Ensemble,
chamber music concert, 8:30 p.m., Music
Bldg. Recital Hall.

Thursday, May 14

15 Sports: lacrosse (women), AIWA Champi-
onships, through May 16.

16 HUB Craft Center, exhibition and staff dinner, 11 a.m.,
Kern Lobby. Also May 15.

17 Penn State Retired Faculty/Staff Club, dinner
and concert by State College Jr. High School
Chorus, 6:30 p.m., St. Andrews Episcopal
Life Center.

Friday, May 15

15 Sports: track (men), Penn State Open, 3 p.m.
Geography Dept. Coffee Hour, 3:45 p.m.,
Room 319 Walker. Craig Humphrey,
sociology and American studies, on "The
Promotion of Growth and Its Impact on the
Pennsylvania Small Town."

Saturday, May 16

15 Sports: golf (men) Alumni Tournament, 10
a.m.; tennis (men) vs. Mercyhurst, 1 p.m.

16 France-Cinema, Bunuel, *Diary of a Chamber-
maid*, 7 and 9 p.m., Room 112 Kern. Also
May 18.

Sunday, May 17

15 University Chapel Service, 11 a.m., Eisenhower
Chapel. Stanley F. Paulson, dean, College of
the Liberal Arts, speaker.

Week of May 18

Monday, May 18

15 Penn State White Band concert, 7 p.m., Fisher
Plaza.

16 Color Slide Club meeting, 7:30 p.m., Room 189
MRI.

Wednesday, May 20

15 Spring Term classes end, 9:55 p.m.

Thursday, May 21

15 Final examinations. Also May 22, 23 and 25.

Week of May 25

Monday, May 25

15 Sports: golf (women) vs. Alumnae, 8 a.m.

Tuesday, May 26

15 Residence Halls close for Spring Term, 3 p.m.

Thursday, May 28

15 Board of Trustees meeting, Keller Bldg. Also
May 29.

Sunday, May 30

15 Spring Term Commencement, 10:30 a.m.,
Beaver Stadium.

Week of June 1

Tuesday, June 2

15 University Faculty Senate meeting, 2:10 p.m.,
Room 112 Kern.

Thursday, June 4

15 Alumni Reunion Weekend, through June 6.

Sunday, June 7

15 Arrival date for 10-week Summer Term stu-
dents. Residence Halls open, 8 a.m.

TCD looks at art, technology

The "Three Cultures Dialogue" has begun a series of lecture-discussions that will examine the relationship between the arts and technology.

In launching the series, Warren S. Smith, professor emeritus, general education in the arts, emphasized that "technology is not a mere overlay on our civilization. It is part of our emotional response to the world, part of contemporary mythology."

Burt L. Fennel, professor of music, will pursue these ideas further in his March 16 lecture on "Twentieth Century Canon: Technology, Dux, Music, Comes," i.e. technology as the leading voice in the counterpoint and music as a companion voice that follows along.

Later in the Spring Term, Rob Fisher, the Belforte sculptor who designed the large water piece in the new Allenway Atrium and who is presently in the process of installing his largest work at the new Playboy Hotel-Casino complex at Atlantic City, will speak on "The Artist as Mad Scientist."

William H. Allison, professor of theatre, will discuss the applications of modern technology to the theatre. Philip Klass, professor of English and author of science fiction under the name of William Tenn, will relate technology to modern literature. Finally, Ellis Grove, associate professor of general education in the arts, will lecture on the film-maker as pitchman under the title, "A Bible, a Skull, and a Coil of Rope."

The intent of the dialogues, which are held in Room 101 Kern shortly after noon, is to bring together faculty members from wide-ranging disciplines. The programs are open to anyone interested. Those attending can secure luncheon at the Kern cafeteria or "brown-bag it."

The dialogues are announced in the INTERCOM calendar, and anyone wishing to be put on the regular mailing list for future announcements should write or call Ernest Hawk, Room 102 Materials Research Laboratory, 865-3424.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475 1387). Applications for these staff vacancies will be accepted until 5 p.m. March 16, 1981. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, sex, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

BUSINESS MANAGER, WILKES-BARRE CAMPUS. Responsible to Campus Director for all non-academic business affairs, including personnel and employee relations, purchasing, budget administration and control, student accounts, physical plant, maintenance and operations, utilities, safety, security, community relations, accounting procedures, auxiliary enterprises (bookstore and food service) and general services. Bachelor's degree in business administration or related field, plus four to five years of effective experience in buildings and grounds maintenance, purchasing, personnel, etc., with a supervisory background required.

ADMISSIONS AND FINANCIAL AID COUNSELOR, CAPITOL CAMPUS. Coordination of student aid program with University Park Campus and on-campus student employment program. Responsibilities include interviewing applicants for admission, counseling, for maintaining information on and advising students in need of financial assistance. Experience with various State and Federal forms highly desirable. Bachelor's degree with two to three years of effective experience in academic areas.

JANITORIAL FOREMAN, OGONTZ CAMPUS. Responsible to the Supervisor, Maintenance and Operations, for assisting in laying out, planning and scheduling janitorial work force. Also, for training, supervising, inventory control, inspecting of janitorial tools and power equipment, etc. High school graduate or equivalent training, plus over one year and up to and including two years of effective janitorial experience. Leadership qualities necessary. Experience in a supervisory capacity highly desirable.

News in Brief

Comp Center continues instruction restrictions

The increasingly heavy demand on services of the Computation Center requires the continuation of restrictions on instructional uses of interactive systems.

Faculty members at University Park who wish to request authorization for students in their 400 and 500 level courses to use RJE, APL or INTERACT interactive computer systems in the Spring Term, 1981, are asked to send their requests to E.R. Melander, chairman, University Advisory Committee on Instructional Uses of the Computer, Room 117 Old Main, by no later than the end of the first week of the term, March 19.

Requests should be for one type of interactive service and should include estimates of the number of students and the average weekly connection time per student for each course.

Schuylkill launches drive for Activity Center

The Schuylkill Campus has launched a Capital Fund Campaign to seek funds for a Student-Community Activity Center.

The campaign is aimed at meeting three most pressing needs of the Campus, as identified by the Development Committee of the Schuylkill Advisory Board. These include expanded food service and student lounge facilities, as well as a place to hold cultural affairs programs.

Dr. Wayne D. Lammie, Campus director, explains that at present only vending machines are available to the commuting students who represent about 85 percent of the 1,100-member student population. An auxiliary gym serves as a student center, and a classroom or gymnasium must be pressed into use as an auditorium.

The proposed center would include a snack bar with hot food service, a student activity area and a large lecture hall-auditorium.

The Schuylkill Campus Advisory Board hopes to raise \$500,000 for construction of the facility, and the University has agreed to contribute matching funds.

Conference welcomes University secretaries

University secretaries may attend the 25th annual Educational Secretaries Conference, April 23 to 25, at a reduced registration fee. The sessions will be held in Keller Building at University Park.

The main purpose of the conference this year is to bring together educational secretaries from across the state to pool ideas and share experiences related to their common occupation, to expand their educational backgrounds by providing informative workshop sessions, and to stimulate participation, enthusiasm, and pride in the profession.

Further information is available by calling 865-5141.

\$320,000 bequest made

A Charles Godfrey Binder Professorship in the College of Engineering, a Faculty Fellowship in the College of Business Administration and a scholarship fund for students interested in studying abroad will be established at the University.

Their creation is the result of a \$320,000 bequest from the estate of Lillian E. Binder, formerly of Merchantville, N.J. Mrs. Binder and her husband, a 1912 Penn State graduate, have been providing support for University students through a number of scholarship funds since 1964.

President Oswald hailed the Binder bequest as a significant and important contribution to the University's academic programs.

Mr. Binder, a Penn State engineering graduate, retired in 1948 as manager of the

Engineering Department of Warren Webster and Company, Camden, N.J. Previously he was employed by the Rochester Gas and Electrical Co., N.Y., and the New York State Department of Architecture in Albany.

A total of 159 Penn State students have received awards totaling \$131,000 from the Binder scholarship programs, which include the Charles and Lillian Binder Foreign Studies Grant-in-Aid Fund.

Italian medievalist to talk March 17-18

Dr. Alberto Limentani, professor of Romance languages at the University of Padua and a noted medievalist, will deliver two lectures next week under the auspices of the Institute for the Arts and Humanistic Studies.

On Tuesday, March 17, at 12:45 p.m., in Room 313 Burrows, he will speak in French on Venice and medieval French literature, on Wednesday, March 18, at 9:35 a.m., in Human Development East 328, he will speak in Italian on Dante. On the latter occasion, he will be introduced by Professor Alfred Triolo of the Department of Spanish, Italian, and Portuguese.

Both lectures are open to the public, but persons planning to attend are requested to inform Professor Gerard J. Brault, Department of French, who is coordinating the visit.

Tourism is subject of March 19 colloquium

Rolf Meyersohn, professor of sociology at CUNY's Graduate School and University Center, will speak on "Social Aspects of Tourism" at 7 p.m. on Thursday, March 19, in Room 112 Kern Building.

Dr. Meyersohn, who edited the book, *Mass Leisure*, a standard text in the area of popular culture, will present his remarks in a Health, Physical Education and Recreation Colloquium.

Creamery remodeled

The University Creamery, closed for remodeling during term break, reopened March 12 with new equipment and an improved ability to handle large crowds.

"The basic design is unchanged," Creamery Manager John Foley explained, "but we're replacing most of the equipment, which was about 30 years old. "We'll also add an improvement which will allow us to serve ice cream cones from two lines during peak periods — such as after a football game."

The remodeling is being paid for through Creamery sales receipts. No University or public funds are involved, Mr. Foley said.

Maple sugaring highlights HPER-sponsored program

Stone Valley Recreation Center and the Recreation and Parks department are sponsoring a "Maple Sugaring Sunday" at the Stone Valley Recreation Center on Sunday, March 22, from 1 to 5 p.m. The day's activities, which will feature a demonstration of old-fashioned maple-sugaring methods, will conclude a "Sports, Health and Recreation Activities Week" sponsored by the College of Health, Physical Education and Recreation.

To be included in the week's activities (March 16 through March 22) are open houses and special programs in the White Building, a synchronized swimming clinic for junior high and high school students in the Natatorium, and a Boy Scout "First Aid Jambooree" in White.

There is no charge for admission to any of the events except the "Maple Sugaring Sunday" (\$1 for adults and 50 cents for children), although registrations should be made before March 29 for participants in the synchronized swimming clinic by telephoning 865-1432.

UDIS to offer two seminars

The University Division of Instructional Services (UDIS) is sponsoring a two-part seminar entitled "Enhancing Classroom Communication."

The first session will be conducted on Monday, March 23, from 2 to 4 p.m., in Room 128 Mitchell Building and will be repeated on Tuesday, March 24. The second part will be scheduled for Monday, April 13, and repeated on Tuesday, April 14, from 2 to 4 p.m.

The seminar will be conducted by Mary Ann Chezik, a member of the UDIS Instructional Improvement staff, and Maryellen Gleason of the Speech Communication Department.

The seminar will emphasize a variety of factors affecting the success of communication. In particular, the importance of attending to the four main elements of every communication situation (speaker, listener, message and environment) will be stressed. The information presented will specifically address the communication situation of the classroom, with the speaker being the instructor, the listener being the students, and the message being the course content.

Part I of the seminar will concentrate on the roles of speaker and listener in both the verbal and non-verbal aspects of communication. Delivery, style and methods of gaining and holding attention will be discussed.

Part II will build upon the information presented in Part I, and it will deal specifically with the message and environment of classroom situations. Strategies for structuring lectures, selecting methods of presentation and adapting to various classroom environments will be presented.

A discussion period will follow the presentation. Small group follow-up sessions will be arranged for participants interested in pursuing the topic in greater detail.

The seminar is limited to 35 participants on a first-come basis. For more information and to make reservations, call 863-0668.

Funding Sources

For further information, call 865-1372

(354-1) The U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA) has issued a University Affairs Letter including announcement of: (1) a March 31, 1981, deadline for \$5 million in current year funds for university R & D; NOAA's Office of Marine Pollution Assessment (208-525-0651); (2) the availability of a report, "Ocean Services Through the 80's"; (3) the form and procedure for Inter-governmental Personnel Act (IPA) term appointments between Federal agencies and institutions of higher education; and (4) an explanation of R & D Cooperative Agreements compared with grants and contracts. Copies of the eight-page announcements have been distributed to ACOR and are available.

Applications

(Continued from page 1)

admissions staffs for their increased cooperation; and all those students who took part in our telethons. The list could go on.

"Clearly, then, a lot more has been done, but we'll have to see the 'yield' figures next Fall before we can draw any final conclusions about our success."

Arts Roundup

'History of Photography' includes numerous events

Eight illustrated lectures have been arranged for this year's History of Photography Events, which will be held from March 17 through April 29 in Room 101 Kern.

As a bonus, an exhibition on "Photography and Humor" will be displayed in the Rare Books Room of Pattee Library from March 23 through April 30.

Adolphe Braun, *The Man and His Work*, the first lecture, will be given by photohistorian Naomi Rosenblum at 8 p.m. on Tuesday, March 17. As a textile designer in Alsace in the 1840s, Braun became involved in photography when it was still a new art form. He established a publishing company, "Braun and Cie," in an effort to bring great works of art in the form of photographic reproductions to a wide audience.

Dr. Heinz K. Henisch, professor of the history of photography and a Fellow of the Institute for the Arts and Humanistic Studies, will present the second talk, "Focus on Vienna," at 4 p.m. on Friday, March 20. Dr. Henisch will discuss 19th century Vienna's contributions to photographic invention and style through the work of Petzval, Voigtlander, Esterhazy, Mach, the Angerer brothers, Kuhn, Watzek, Henneberg, Brenda and d'Ora. Photojournalism and fashion photography in 19th century Vienna will also be discussed in Dr. Henisch's presentation.

"Photography and the Quest for the Third Dimension" will be the subject of a talk at 8 p.m. on Monday, March 23, by Gillian Greenhill, a graduate student in the Department of Art History. She will analyze the technical and aesthetic impact of the peep-show, the eidiophusikon and the diorama—all of which preceded the development of photography.

Dr. Henisch and Ms. Greenhill, along with Bridget Henisch and L.P. Greenhill, director emeritus of UDIS, arranged the exhibit in the Rare Books Room.

Kathleen Fuller, a graduate student working with Dr. Henisch, will give the fourth lecture, "Photography and Politics," at 8 p.m. on Thursday, March 26. Ms. Fuller will explore the stylistic means by which photography has been used since the 1850s to promote political and social causes such as nationalism,



Poking fun at early photography was the object of this 1866 cartoon — from the "Photography and Humor" exhibit in the Rare Books Room.

women's suffrage, housing reform, religion, charity programs and party platforms.

"Photography and the New Deal" is the title chosen by photohistorian and anthropologist John Collier Jr. to describe his attempt to trace the efforts of the Farm Security Administration photographers of the Great Depression and their role in shaping new social values. As part of his talk — at 2 p.m. on Friday, March 27 — Mr. Collier will evaluate the subsequent attempts that have been made to form similar photographic groups.

Photohistorian Robert C. Snider will give the sixth lecture, "From Talbot to Television," at 8 p.m. on Monday, April 20. His subjects include the relationship of photography and the humanities, modern electronic imagery, and the potential of the camera to create greater humanistic understanding in the world.

"Photojournalism: Ambition and

Reality" will be considered by John Faber, photohistorian of the National Press Photographers Association, at 8 p.m. on Tuesday, April 21. As part of his discussion of photojournalism as a profession, he will tell the stories behind some of the most famous news photographers.

The eighth and final lecture, "The Great Exhibition of 1851," will be given by Charles W. Mann, IAHS Fellow and chief of Rare Books and Special Collections for the University Libraries, at 8 p.m. April 29. His presentation at 8 p.m. on Wednesday, April 29, will include selections from the prose, engravings and photographs which the Exhibition generated.

The 1981 History of Photography Events are being sponsored by the Institute for the Arts and Humanistic Studies, the Departments of Art History and English and the School of Journalism; and they are being coordinated by Dr. Henisch.

Black films, literature play role in social change

The University's Black Studies Program will continue its program on "Black Films and Literature as a Vehicle for Social Change" this month.

"The African Sources of Alex Haley's *Roots*" is the title of a lecture by Dr. Edris Makward, professor of French and African literature at the University of Wisconsin, set for Tuesday, March 17, at 7:30 p.m. in the Robeson Cultural Center.

A native of Bathurst, Gambia, Dr. Makward is former head of Wisconsin's departments of African American studies and African languages and literature, and is co-author of the textbook, *African Literature*.

His lecture will examine the cultural background for Haley's research, including the strong Gambian oral tradition which enabled Haley to trace his ancient heritage.

The well known black author/educator, Saunders Redding, will give "A Critique of Afro-American Literature" on Wednesday, March 18, at 8 p.m. in the Robeson Center.

Dr. Redding is Ernest I. White professor emeritus of American studies and humane letters at Cornell University. His books include *To Make a Poet Black*, *The Negro*, and *Cavalcade: Negro American Writing from 1760 to the Present*.

A dialogue between Dr. Makward and Dr. Redding will be held March 18 at 2:20 p.m. in Room 112 Sackett at a special session of English 139 — "Black American Literature." Instructor Virginia Thornton will moderate the informal discussion, which will be open to the public.

All events are sponsored by the Black Studies Program with the Robeson Center, the Committee on International Programs of the College of the Liberal Arts, the English Department and the Student Film Organizations.

Tour to National Gallery will 'Search for Alexander'

The Central Pennsylvania Society of the Archaeological Institute of America will sponsor a bus excursion on Thursday, March 26, to the "Search for Alexander" exhibit at the National Gallery in Washington, D.C. The bus will leave the main entrance of the HUB at 7 a.m., and will depart from the Gallery at 4:30 p.m. The round-trip fare is \$14, and reservations can be made by calling the Department of Classics at 865-8851.

On the Tuesday preceding the trip (March 24) at 8 p.m. in Room 102 Forum Building, Dr. Eugene N. Borza, associate professor of history, will discuss "The Search for Alexander" Exhibition: Some Background and a Preview." Professor Borza played an important role in setting up the exhibition, and the public is welcome at his illustrated talk.

Chambers exhibit set

An exhibition of multi-media two-dimensional works by Frank Chetelat and sculpture by Eduard Betenas will open in the University's Chambers Gallery Monday, March 16. It will continue through April 7.

Leningrad

(Continued from page 1)

conducted in Russian by instructors on the university's Preparatory Faculty for the Teaching of Russian as a Foreign Language.

Eleven universities and colleges have joined in sponsoring the Cooperative Russian Language Program in cooperation with the Council on International Educational Exchange. They are:

The City University of New York, Dartmouth College, Georgetown University, University of Illinois, Indiana University, University of Kansas, Michigan State University, University of Minnesota, Oberlin College, Tufts University and University of Washington.

URTC to stage Chekov's 'The Cherry Orchard' next

Anton Chekov's masterful comedy, *The Cherry Orchard*, will be the first of the Penn State University Resident Theatre Company's two Spring 1981 productions. The play opens Thursday, March 19, and continues through Saturday, April 4, in the Pavilion Theatre. Curtain is at 8 p.m.

According to Director James W. Assad, who also staged URTC's productions of *The Shadow Box* and *Ah, Wilderness!*, *The Cherry Orchard* is a comedy of characters rather than of situation.

Set in 19th century Russia, the play employs the cherry orchard as a metaphor for social change. The orchard, which no longer bears fruit but is still beautiful to behold, must be sold to pay debts accumulated by the aristocratic family that owns the trees. Whether landowner or serf, each character must adapt to the loss of the orchard.

For reservations to *The Cherry Orchard*, as well as URTC's second spring production, the Sherlock Holmes mystery, *The Crucifer of Blood*, call 814-865-1884. Tickets also may be purchased by mail from the URTC box office, Room 137 Arts Building, University Park, Pa., 16802, or in person at the box office in the Arts Building lobby.



M.F.A. candidate James Caldwell (center) is flanked by Equity players Peter Umbras and Suzanne Gilbert in URTC's upcoming production of "The Cherry Orchard."

President Oswald presents '81-82 Appropriation Request

Editor's note: The following article, which is the first of two on the subject, has been prepared from the Statement presented by President Oswald during the University's budget hearings March 2 and 10 before the House and Senate Appropriations Committees. Material taken directly from the 1981-82 Budget Presentation booklet is indicated by quotation marks.

"The 1981-82 appropriation request for The Pennsylvania State University, approved by its Board of Trustees on September 26, 1980, is the product of extensive and careful analysis and planning. Our planning efforts are designed to review continually the University's programs and services, and to modify them where necessary to serve better the changing needs of the Commonwealth and of its citizens.

"As the University enters the decade of the '80s, its major focus is on the themes of quality, selectivity, and flexibility. In the face of continued inflation and financial stringency, the continued aid and support of the Commonwealth, combined with the University's effective management of its human and financial resources, will enable it to meet these challenges.

"For 1981-82, Penn State is encouraged that the State administration has continued to recognize the critical funding needs of its Land-Grant University in a period of fiscal stringency in the overall State budget. The recommended 5.3 percent appropriation increase for Penn State is equitable, not only among the segments of higher education but also with recommended increases in the overall State general funds budget. Unless augmented by the General Assembly, however, it would appear once again that it will be necessary to increase tuition rates beyond the projected 5 percent inclusion in this budget request.

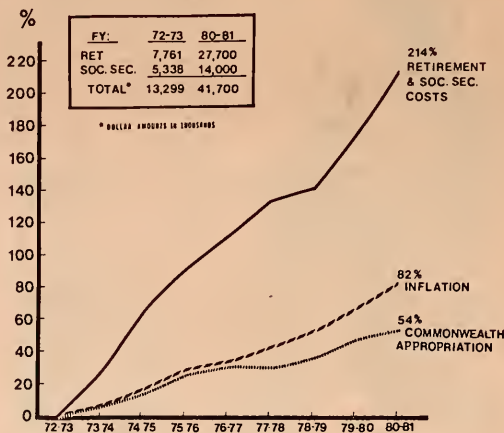
"The requested increases in State appropriations for 1981-82, as described in the sections following, are related entirely to projected increases in the University's basic costs of operation. Penn State is increasingly hard pressed to cope with rapidly escalating inflationary costs. Some examples are:

- Goods and services the University must purchase, which are increasing in cost at an even higher rate than that of the nation's general, double-digit inflation. These include fuel and utilities, library books and periodicals and certain types of critically needed instruction and research equipment.

- Significant increases in retirement and Social Security costs, which are mandated by external agencies and are not under the University's control. The amount paid for retirement costs, primarily to the State Employees' Retirement System, has increased by 257 percent since 1972-73. Social Security costs have escalated by 162 percent over the same period. (See graph.) Penn State will pay over \$27.7 million for retirement costs and \$14.7 million for Social Security costs in 1980-81. Between 1972-73 and 1980-81, the University's appropriation increased by \$44,346,000. Of this amount, \$28,401,000 — or 64 percent — has been required to meet mandated cost increases in retirement and Social Security."

- While State appropriations have increased almost every year during this decade, the value of the appropriation in terms of purchasing power has declined significantly. Comparing the State appropriation per equivalent full-time student in terms of current and constant 1972-73 dollars shows that Penn State is operating with a per-student appropriation which, in "real dollars," has declined by almost 23 percent over the last several years.

- To offset partially this decrease in purchasing power, substantial increases in tuition rates have been necessary, including a 10.5 percent increase for 1980-81. Currently the tuition rate of \$1,641 for



% CHANGE IN RETIREMENT & SOCIAL SECURITY COSTS vs. INFLATION & APPROPRIATION SINCE 1972-73

undergraduate students at University Park is the second highest of all major public Land-Grant institutions — well over 80 percent higher than the average tuition rate for 1980-81 at these comparable institutions.

"The University is concerned that each year a larger share of the increased costs of education falls upon the students and their families. Since 1972-73 tuition charges have risen sharply by 92 percent — higher than the 82 percent increase in the general rate of inflation and considerably higher than the 54 percent increase in State appropriations during the same period.

"For 1980-81 Penn State received a per-student appropriation of \$2,132, which is \$662 less than the average appropriation per student for all other publicly supported four-year institutions in Pennsylvania."

"To overcome the effects of inflation, the University has achieved several important economic goals and has made internal reallocations.

"Rising costs have outstripped income every year for the past several years. Because of this, the University's management has worked assiduously to economize wherever possible. Since 1971-72, more than \$23.4 million have been cut back from operating budgets and reallocated to other areas of greater priority and need. For the first two or three years, these were "across-the-board" reductions. In the last several years, our internal budget reductions have been more and more selective, and have been used as a primary means of internal resource reallocation to areas of greatest priority or need. In a sense, over the past decade, Penn State has been following a procedure not unlike the one suggested in the Governor's Budget Policy Guidelines for 1981-82. These internal cutbacks and reallocations represent nearly 10 percent of the University's 1980-81 General Funds Budget and demonstrate our determination to examine closely all existing programs and activities and to take action to reduce expenditures wherever possible through effective management.

"The University's reputation rests upon the quality of undergraduate and graduate teaching. Penn State faculty members have absorbed increased teaching loads during this period of financial stringency. Between Fall Term 1972 and Fall Term

1980, enrollment increased by 17.5 percent (from 47,024 to 55,274), while the number of full-time faculty members decreased by 4.8 percent (from 3,175 to 3,029). Both administrative staff and faculty members have been assigned heavier workloads. There were 243 fewer academic and non-academic personnel on Penn State's payroll in October of 1980 than there were in October, 1976.

"Substantial resources have been reallocated among colleges and departments to provide for shifts of enrollments among programs. For example, student interest and enrollments in recent years have shifted away from the lower cost humanities and social sciences toward the much more costly engineering and computer science programs. It has been necessary to redirect the use of resources as best we can to provide for additional faculty members and equipment in these growing areas.

"To help preserve the quality of the University's academic programs, nearly 70 percent of the budget reallocations have been made from nonacademic units. In many programs and departments the number of personnel has been reduced to permit shifting resources to meet essential needs and unavoidable costs increases. These include costs of fuel, utilities, and other supplies and services, growing retirement, Social Security, and group insurance costs, and essential salary and wage adjustments for employees."

The University's requested increases in State appropriations are explained as follows:

After a careful analysis of each of the major expenditure categories, we project that the University's proposed general funds for 1981-82 will be \$274,954,000 — a modest increase of 8.4 percent over the 1980-81 level. The University is requesting a total appropriation of \$144,740,000 or an increase of \$17,700,000 over the 1980-81 appropriation.

The University is requesting an appropriation increase of \$16,024,000, or 12.9 percent, over the 1980-81 appropriation level for General University Operations (excluding Hershey). The total appropriation requested is \$140,168,000.

"The budget is based on the following general principles:

- "1. Stable enrollment is anticipated for 1981-82. Enrollment for 1980 Fall Term was at a second consecutive all time high

of 55,274 students enrolled in resident instruction courses. It is clear that Penn State continues to serve larger numbers of students than at any previous time in its 125 years of service to the Commonwealth.

- "2. The emphasis of the proposed budget is placed entirely on provisions to cope with the rapidly escalating inflation of costs, which affects the goods and services which the University must purchase. The budget seeks to provide for:

- Essential and competitive salary adjustments for employees.
- Requirements for mandated fringe benefits cost increases (primarily Social Security-base and rate changes, retirement cost increases, and increases in group insurance costs).
- Increases in the costs of operation, including supplies, services, fuel, utilities, library books and materials, instruction and research equipment, and increased costs of critically needed maintenance of the University's physical facilities.

- "3. On the income side, the plan includes an average 5 percent tuition rate increase for all students except Doctor of Medicine students, for whom tuition rates are already at the \$5,550 level. There is no question that the individual student benefits from his or her education at the University and, therefore, should be expected to share in the increased costs of the education. The State also benefits from Penn State's programs, not only through having a more highly educated citizenry, but also through the significant social, economic, technological, and cultural contributions of the University's research and public service programs. Over the years, students have been paying an unduly high proportion of the increased costs. This budget plan at the University's requested level of appropriation recognizes that the contribution of the State must be brought into better balance with that of the student; therefore, the tuition rate increase should be proportionately less than the increase in State appropriations.

- "4. As has been the case for several years, no funds are requested for program improvements or new programs. New program initiatives are essential to the University's vitality, but they will be provided for through the continuing program of internal resource reallocation or from non-State sources of funds.

"The basic State appropriation support for medical education has not been increased since 1971-72. The costs of medical education have increased even to a greater extent than the costs of other University operations. In the absence of increased appropriation support, the University has had to rely on very substantial increases in tuition to offset partially the ever higher operating costs. Tuition for Pennsylvania residents has increased by 455 percent since 1971-72 (from \$1,000 to \$5,550 per year). Non-resident students pay \$8,670.

Consequently, no tuition increase is proposed for medical students. The increase in basic support requested of the State is \$1,676,000 and represents the equivalent of approximately 4.7 percent annual increases in State appropriation over the ten-year period."

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Penn State Intercom

News in Brief

Nominations sought for Hetzel, Walker Awards

The University is seeking nominations of outstanding seniors for two prestigious annual prizes: the Ralph Dorn Hetzel Memorial Award and the Eric A. Walker Award.

Nomination forms are available at the offices of the deans of the colleges, the HUB desk and Room 235 Boucke Building. The forms should be returned to the Office of the Vice President for Student Affairs, Room 235 Boucke, by Friday, April 3.

The Hetzel Award recognizes the achievements and potential of outstanding seniors who have demonstrated

responsible leadership, in addition to academic achievement, during their college careers and who give promise of public-spirited service in the future.

The Walker Award recognizes a senior whose activities and achievements have enhanced the public esteem and renown of the University.

Both awards are presented during the Spring Term Commencement, though recipients may have graduated during the preceding Fall or Winter Terms. Spring and Summer Term 1981 graduates also are eligible.

IAHC, German to sponsor four lectures

Four visiting scholars and writers will present lectures on German language and literature during Spring Term under the sponsorship of the Department of German, with support from the Institute for the Arts and Humanistic Studies.

"German Studies in Sweden" will be the topic of Dr. Helmut Mussener, professor at the German Institute at the University

of Stockholm. Dr. Mussener, who specializes in the study of German abroad and in German literature in exile, can be heard on Tuesday, March 24, at 8 p.m. in Room 167 Willard Building.

Dr. Walther Huder, professor at the Free University of Berlin and director of Archives at the Academy of Arts in West

Senate questionnaire

The Senate Committee on Faculty Affairs is doing the last part of its study on sabbatical leaves by sending a questionnaire to a stratified, random sample of the faculty at all locations. If you are asked to respond, your reply by March 30 will be important to the study.

Berlin, will speak on "Die goldenen Zwanziger Jahre" on Monday, March 30, at 8 p.m. in Room 124 Sparks Building.

The third lecture, which is under the auspices of the Linguistics Program, will be presented by Dr. Wolfgang Dressler, a professor and department chairman at the University of Vienna. His topic is "Sociolinguistic Problems of German as Spoken in Austria," and his presentation is scheduled for Tuesday, April 7, at 8 p.m. in Room 167 Willard.

The final lecture will be offered by the East German writer and translator, Fritz Rudolf Fries, during the week of April 20. The date, time and place of his talk will be announced later.

Satellite teleconference

Broadcasting Services in Continuing Education conducted Penn State's first nationally distributed satellite teleconference on March 12. Entitled "Higher Education and Cable TV," the 90-minute teleconference originated from the WPXK-TV studios in

(Continued on page 3)

Pennsylvanians dance 'Coppelia'

Tickets are available for two performances of the Pennsylvania Ballet's critically acclaimed production of *Coppelia*. The Artists Series will present the troupe in Eisenhower Auditorium on Saturday, March 21, at 8:30 p.m. and on Sunday, March 22, at 3 p.m.

When the Pennsylvania dancers presented *Coppelia* in New York City, Barton Wimbler wrote in the *Daily News*: "The most beautifully designed, wittily directed, consistently entertaining *Coppelia* seen in this city for one long, long time . . . Every dancer on stage is communicating her joy and acting his part, no matter how small, with youthful enthusiasm."

Delibes's delightful ballet is about a young man who falls so deeply in love with a beautiful doll that he imagines it has come to life. Swanilda, the young man's girl friend, wins back her lover by dressing up as the doll.

Tamara Hadley, who will dance Swanilda, has been applauded by audiences and critics alike for her portrayal. The part of Franz will be danced by William DeGregory. Clive Barnes of the *New York Post* said: "DeGregory is already an exceptional partner and his dancing has a brightness and brilliance that could take him far." Other performers include Sari Braff as Coppelia, the mechanical doll, and Dana Lafontise as the eccentric Dr. Coppola.

Founded in 1963 by Penn State alumna Barbara Weisberger, with the artistic support of her mentor George Balanchine, the Pennsylvania Ballet is one of the most remarkable success stories in the contemporary performing arts field. Aided by a Ford Foundation grant, the Company progressed from its first performance outdoors on a country estate on Philadelphia's Main Line to two seasons at



the University of Pennsylvania's Irvine Auditorium and then in 1966 to Philadelphia's Academy of Music, the Company's home for 10 years.

In 1968 the Pennsylvania Ballet opened at New York's City Center and became overnight "a major force in the world of dance." Artistic Director Benjamin Harkavy, founder of the Netherlands Dance Theatre and director of the Harkness Ballet, joined the Company in 1972. He is the principal architect of the Company's style.

Each year, the Pennsylvania Ballet performs in New York City as the resident company of the Brooklyn Academy of Music. The Company began an active touring schedule in 1965.

Tickets are now on sale at Eisenhower Auditorium and the HUB Booth, weekdays, 9 a.m. to 4 p.m. Phone orders on MasterCard/Visa may be placed by calling 863-0255 during sale hours.

Schuykill students have unique chance to study Pennsylvania German

"Throw me down the Stairs my Coat" and "Pass me over the Table the Butter" are expressions most Pennsylvanians would identify instantly as "Pennsylvania Dutch."

But Pennsylvania Dutch is really Pennsylvania German, and the distinction is important, according to Earl C. Haag, assistant professor of German and English at the Schuylkill Campus.

"Pennsylvania Dutch," from the German *Deutsch*, is the term Pennsylvanians of German descent would use themselves in describing their language," Professor Haag explains, "but in scholarly use, 'German' is preferred in order to avoid confusion with the Dutch of Holland."

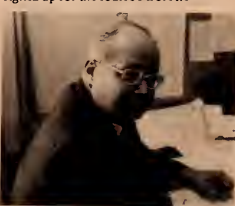
Professor Haag offers at the Schuylkill Campus perhaps the only opportunity anywhere for students to study Pennsylvania German, which is "almost identical" to the dialect spoken in the Palatinate, an area in Southern Germany to which most Pennsylvania Germans trace their heritage. He also teaches what he believes are the only courses on Pennsylvania German culture and literature.

The reason Professor Haag is fairly certain his courses are unique has to do with a "slight" problem he had to overcome while teaching the language

course for the first time — the lack of a textbook.

"I had planned to use a Pennsylvania German grammar book by the late Dr. Albert Buffington (a Penn State professor), but I discovered the book, the only one of its kind, had been out of print since 1957," he explains.

Since some 65 persons had already signed up for the course before he



Professor Haag

discovered the total unavailability of a text, Professor Haag resolved the problem the only way he could — he wrote a book himself.

"Fortunately, I have an extensive background in German, so the undertaking was more exciting than difficult," he recalls. "The greatest

challenge was having to finish a chapter each week, sometimes just in time for the next class meeting."

He did it, though, and the book, *A Pennsylvania German Reader and Grammar*, consists of 14 chapters, each focusing on an aspect of Pennsylvania German culture. Accompanying the German text are English translations.

Professor Haag had the book — which currently exists in the form of duplicated "hand-outs" — copyrighted in 1979.

He attributes some of the popularity of his "German Language and Culture" course to the old Pennsylvania newspaper tradition of running columns in Pennsylvania German. Several newspapers still run such columns on a regular basis.

These columns, which trace their origins to the mid-1800s, form the basis of a second course developed by Professor Haag, "Pennsylvania German Literature." "Of the large amount of existing Pennsylvania German literature, some is good enough to be classed with the world's great literature," Professor Haag says. He adds that Pennsylvania German poetry — by such authors as John Birmelin — is especially well known, although the prose is often of equally high quality.

"Charles C. Moore and Lloyd Moll are writers of exceedingly good short stories,"

he observes, "and a number of other prose writers have produced very good pieces. Such poets as Birmelin and the ultra-modern Russel Gilbert have written what I consider to be some of the world's best poetry."

Professor Haag notes that most of the Pennsylvania German literature he is using in his course first appeared in newspaper columns and has been reproduced in books published by the Pennsylvania German Society.

But because many of these books are also out of print, he is faced with the same problem — no single, unified book to use for the course.

As a result, he again has decided to develop his own text, an anthology of Pennsylvania German literature, which, like the reader and grammar book, would be the only one of its kind.

In the meantime, he is duplicating his materials, including original title pages to give his students a feeling for the literature and the old books in which it was first collected.

He and his students can also get a taste of the old books — and the literature they contain — from a special collection donated to the Schuylkill Campus library by Edward G. Fox, president of the Schuylkill Campus Advisory Board and a 1925 Penn State graduate.

Penn Staters

Dr. Carol Farley Kessler has received a fellowship from the National Endowment for the Humanities. An assistant professor of English and American studies at Mont Alto, Dr. Kessler will spend the next year in residence at the University of Maryland preparing a monograph on the contributions of literature to the women's movement.

Dr. B. Lakshminarayana, professor of aerospace engineering and director of Computational Fluid Dynamics Studies, participated in the International Symposium on Air Breathing Engines held in Bangalore, India, Feb. 16-22. This meeting was co-sponsored by the International Committee on Air Breathing Engines, the American Institute of Aeronautics and Astronautics, the Indian Council of Scientific and Industrial Research, and UNESCO. Dr. Lakshminarayana's paper, "Analysis of Turbulent Boundary Layer on Cascade and Compressor Rotor Blades," was co-authored with T. R. Govindan, an aerospace engineering graduate student.

Dr. Roberto Lima, professor of Spanish and comparative literature, presented an invited lecture at the Symposium on Literary Theory and Ideology sponsored by the Programme in Comparative Literature and the Department of Hispanic and Italian Studies at the University of British Columbia. Dr. Lima's topic was "Towards Gnosis: Exegesis of Valle-Inclán's *La lampara maravillosa*."

Dr. I.S.T. Tsong, associate professor of materials research, presented papers on "Hydrogen and Chlorine Detection at the SiO₂/Si Interface" and "Dating of Obsidian Artifacts by Depth Profiling of Artificially Hydrated Surface Layers" at the Fifth International Conference on Ion Beam Analysis held in Sydney, Australia, in February. Dr. Tsong was elected chairman for the next Ion Beam Analysis Conference, which will be held at Penn State in 1983. While in Australia, Dr. Tsong also gave a seminar at Monash University in Melbourne.

Dr. James W. Kelz, professor of education and director of Rehabilitation Education Programs, will present an April workshop in Florence, Italy, on "Community Approaches to Rehabilitation of Psychiatric Patients." The workshop will be part of an international seminar, "Counseling for the Integration of the Handicapped in Society," under the auspices of the United Nations International Year of the Disabled. It is being sponsored by the International Round Table for the Advancement of Counseling.

The new president of Wilson College is **Dr. Mary-Linda (Sorber) Merriam**, former research associate at the Individual and Family Consultation Center in Individual and Family Studies.

Dr. Merriam received her B.A. (65), M.A. (67) and Ph.D. (70) degrees in speech communication from Penn State. After leaving the University, she held several positions at Emerson College, including vice president for administration, and then served as assistant to the President at Boston University.

Bookshelf

Dr. Keith E. Nelson, associate professor of psychology, is the editor of a series of books titled *Children's Language*, which is being published by Gardner Press of New York.

The books, six in all, will present a survey of most of the major research done in recent years on children's acquisition of language. The second volume appeared in 1980, and Volume 3 will be published this spring.

"Only within the past 15 or so years have scientists paid much attention to the

subject," says Dr. Nelson. "Now, though still small, the field has attracted a growing number of researchers, some hoping to help children who, because of aphasia, retardation or various other reasons, have problems learning to communicate."

Dr. Nelson recently received a National Science Foundation grant to continue studies in which he and his graduate students, using tape recorders, collect and analyze samples of mothers talking to their young children. By observing the children over a period of time, they can compare various mothers' strategies and analyze how they help or hinder children in acquiring linguistic facility.

Dr. Sheldon Baum, associate professor of radiology and director of nuclear medicine at Hershey, is the principal author of the recently published book, *Atlas of Nuclear Medicine Imaging*.

The atlas, designed for use by radiologists and others working in nuclear medicine, is the first comprehensive single-volume atlas on the subject. More than 2,800 illustrations are used to present both normal and abnormal radionuclide imaging studies for various parts of the body. The atlas is published by Appleton-Century-Crofts, New York.

A relatively new field that developed rapidly in the 1960s, nuclear imaging involves using radioactive materials to highlight selected parts of the body so that disease and other abnormalities will stand out in x-ray type images of the area. Using nuclear imaging, physicians now can diagnose certain conditions without having to perform more invasive procedures.

Appointments

Michael M. Micci as assistant professor of aerospace engineering. B.S., M.S., U. of Illinois; Ph.D., Princeton U.

Joseph M. Russo as assistant professor of horticulture. B.S., St. Louis U.; M.Sc., McGill U.; Ph.D., Cornell U. Formerly postdoctoral research associate, N.Y. State Agricultural Experiment Station.

James W. Travis as assistant professor of plant pathology. B.A., Gettysburg College; M.S., PSU; Ph.D., North Carolina State U.

Jeremy L. Waller as research associate at ARL. B.S.M.E., M.S.M.E., Ph.D., PSU. Formerly assistant professor, PSU; senior engineer, Westinghouse Corp.

Alexander V. Mirzo-Moghadam as research assistant at B.S., UC-Santa Barbara; M.S., UC-Berkeley.

Douglas B. Beegle as instructor, agronomy Extension. B.A., Lycoming College; M.S., Penn State.

Promotions

Staff Exit

Diane Freytag to associate director in Undergraduate Admissions.

Nancy K. Gardner to associate director in Undergraduate Admissions.

Cathy A. Loffredo to chief technologist/laboratory support services at Hershey.

Robert P. Lynott to accountant in Controller's Office.

George A. Patrick to financial officer in Controller's Office.

Meredith C. Swauger to employment specialist/training coordinator at Hershey.

Brenda M. Taylor to programmer in Agriculture.

Christine L. Templeton to administrative assistant in Liberal Arts.

Staff Non-Exempt

Roxanne S. Burkholder to respiratory therapy clinical specialist at Hershey.

Clerical

Martha B. Coleman to inventory clerk in Controller's Office.

Lisa Fayewicz to clerk records A in Engineering.

Stacy L. Hanley to clerk stenographer A in Engineering.

Janet A. Hurtack to secretary A in Engineering.

Deborah E. Leis to senior clerk at Hershey.

Linda C. Marquardt to secretary B in Agriculture.

Gladyes E. McMahon to teller in Controller's Office.

Shirley W. Meck to secretary C in Agriculture.

Pamela J. Williams to accounting clerk in Controller's Office.

Joyce E. Zeager to secretary C at Hershey.

Technical Service

Barbara A. Bush to group leader — animal caretaker at Hershey.

Ronald B. Hartman to family housing project worker in Housing and Food Services.

Brian L. Hasinger to ice pavilion attendant in Health, Physical Education and Recreation.

James G. McKillop to maintenance worker general B at New Kensington.

Curtis Randall to laboratory maintenance technician in Science.

James L. Watson Jr. to vending machine server in Housing and Food Services.

Partings

Dr. Charles Taylor, professor of human development, retired March 15 with the rank of professor emeritus of human development and psychology.

Dr. Taylor served on the faculty for more than 16 years, first as professor of psychology and specialist on aging in Continuing Education and, since 1967, as professor in the Colleges of Human Development and Liberal Arts.

Before coming to Penn State, he was a member of the faculty of Brigham Young University and director of the Utah Council on Aging.

Dr. Taylor received two bachelor's degrees from Syracuse University, a license from the University of Paris and his doctorate from Syracuse University.

Various aspects and issues of the aging process are among his research interests, and he has written many professional articles.

He has served as president of the Rocky Mountain Gerontology Association, president of the Western Association for the Gifted, consultant to the National Institute on Aging, and member of the board of editors of the publication *Industrial Gerontology*.

Dr. Taylor will move to the Tampa, Florida, area, where he will continue scholarly activities on the creative process and on humanistic literature in aging.

Elwood C. McClellan, elevator mechanic in the Office of Physical Plant, retired Feb. 19 after working for the University since 1961.

"I've really enjoyed the job's variety; it was always interesting because we made many different kinds of repairs and performed many maintenance procedures," Mr. McClellan says in describing his role in servicing and repairing the University's elevators.

Mr. McClellan — whose retirement plans include working around his Port Matilda property, along with hunting and fishing — began his University service as an oil burner-helper. He assumed his position as an elevator mechanic about three years later.

Mr. McClellan intends to remain active in the State College VFW and with Bellefonte's Undine Fire Company, of which he has been a member for 29 years.

Woodrow W. White, assistant professor of engineering at Worthington Scranton, retired March 1. He had been at the campus since Sept. 1, 1962.

Robert E. Smith, a plumbing and piping maintenance worker in Physical Plant, retired March 7. He joined the staff on June 3, 1974.

Russell N. Pennebaker, a guard at the Applied Research Laboratory, retired on March 1. He had been a University employee since April 1, 1963.

Elsie R. Burd, food service worker in Housing and Food Services, retired March 8. She had been a University employee since Sept. 15, 1961.

Chester J. Kalwarski, a group leader — maintenance worker at New Kensington retired March 1. He had been with the Campus since Feb. 1, 1970.

Hazel Minarik, a residence hall worker with Housing and Food Services since May 7, 1963, retired March 3.

Staff development

An Oral Communications/Talking with People Course was taken by the following staff employees:

Kent Addis, conference coordinator, Continuing Education; **Edith Bender**, senior systems analyst, Management Engineering; **Joseph Capitos**, engineering analyst, Physical Plant; **Marie Clink**, assistant housekeeping supervisor, Housing & Food Services; **Shirl Dillon**, senior housekeeping supervisor, Housing & Food Services; **Gary Feitenberger**, assistant supervisor, Laundry Services, Housing & Food Services.

Myrtle Getz, associate housekeeping supervisor, Housing & Food Services; **Ted Kopp**, accountant, Libraries; **Kay Kustenhauer**, coordinator, Nittany Lion Fund & Public Relations, HPER; **Harold Levy**, affirmative action specialist, President's Office; **Jerry Sawyer**, utilization specialist, Continuing Education; **Milton Trask**, senior classification analyst/regional personnel officer, Personnel Administration.

Obituaries

K. Isabelle Holmes, a secretary with Continuing Education from 1945 to 1972, died March 7. She was 70.

Carpoolers

Linda Bartlett, 108 Althouse Laboratory, seeks a ride at 5 p.m. (Mon.-Fri.) to the intersection of Route 322 and West Drive in Boalsburg. She can be reached between 8 a.m. and 5 p.m. at 865-5497 or evenings at 466-7514.

Linda Stephens would like to share driving or join an existing carpool from Linden Hall to campus. Working hours are 8 a.m. to 5 p.m. Call 865-1331 or 466-6632.

Funding Sources

For further information, call 865-1372

(355-1) The National Science Foundation has announced deadline dates for several Cooperative Science (US) Programs. Deadlines and telephone contact numbers (all prefixed by 202-357-) follow April 1 — Australia (9588), Japan (9537), New Zealand (9588), May 1 — Latin America and Caribbean (9588); West European (7554), May 15 — France (7554), and Belgium (7554). Programs vary to include long- and short-term research, seminars/workshops, and scientific visits. (Ref. NSF Bulletin, March 1981)

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University Park Calendar

March 19-29

Special Events

Thursday, March 19

Registration for Saturday Art Classes, ages 5 to adult, sponsored by School of Visual Arts. Call 865-6579. Classes begin March 28.
Ecumenical Faculty Forum, noon, Informal Lounge, Eisenhower Chapel. Robert D. Siler, classics, Dickinson College, on "Secular Teaching and a Christian Imagination."

URTC, Anton Chekhov, *The Cherry Orchard*, 8 p.m., The Pavilion Theatre.

Friday, March 20

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Alistair Fraser, meteorology, on "Sell It with a Rainbow."
History of Photography lecture, 4 p.m., Room 101 Kern. H.K. Henisch, history of photography, on "Focus on Vienna."
Commonplace Theatre, *The Last Waltz*, 7 and 8 p.m., Room 112 Kern.

Sports: tennis (men) vs. Swarthmore, 7:30 p.m.; ice hockey vs. Univ. of Pittsburgh, 9:30 p.m. Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

URTC, *The Cherry Orchard*, 8 p.m., The Pavilion Theatre.
Aulos Series, Pennsylvania Ballet Company with Orchestra, Coppelius, 8:30 p.m., Eisenhower Auditorium.

Saturday, March 21

Sports: fencing (women), AFLA Qualifying Meet; volleyball (men), Penn State Invitational; tennis (men) vs. Columbia, 2 p.m.; lacrosse (men) vs. Lehigh, 2:15 p.m.; ice hockey vs. Univ. of Pittsburgh, 8 p.m.
France-Cinema, Brusti, *To Forget Venice*, 7 and 9 p.m., Room 112 Kern.

Aulos Series, Pennsylvania Ballet Company with Orchestra, Coppelius, 8:30 p.m., Eisenhower Auditorium.

Sunday, March 22

Diversity, Chapel Service, 11 a.m., Eisenhower Chapel. The Rev. Lerrill White, Hillcrest Church of Christ, State College, speaker.
Sports: tennis (men) vs. Pittsburgh, 1 p.m.
Blaker's Creek Environmental Center, maple sugaring demonstration, 1-5 p.m., Stone Valley. Adults, \$1; children, 50 cents.

Aulos Series, Pennsylvania Ballet Company with Orchestra, Coppelius, 8:30 p.m., Eisenhower Auditorium.

Yvonne Shigley, clarinet, 3 p.m., Music Bldg. Recital Hall.

Union Board Concert, Buffalo Chickpeas and Whetstone Run, 8 p.m., HUB Ballroom.
Masterworks for piano and strings concert, 8:30 p.m., Music Bldg. Recital Hall.

Monday, March 23

Registration deadline.
Add deadline.

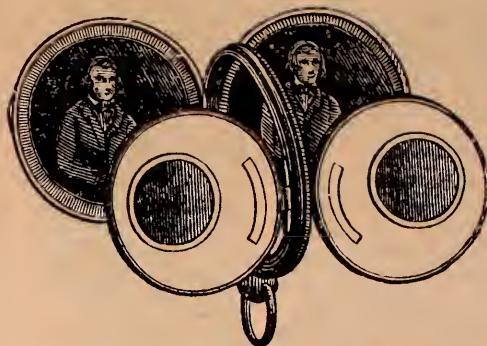
Registration for creative drama classes for children, sponsored by the Dept. of Theatre and Film. Call 865-7556 to enroll for April 6-May 20 program.

Commons videotape, "Austin City Limits," noon, Kern Lobby.

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Kenneth Corey, Univ. of Maryland, on "Neighborhood Grantsmanship: An Approach for Grass-Roots Self-Reliance in the 1980s."

History of Photography lecture, 8 p.m., Room 101 Kern. Gillian Greenhill, grad. student, art history, on "Photography and the Quest for the Third Dimension."

Kathara Hawman, horn, 8:30 p.m., Music Bldg. Recital Hall.



An 1855 stereoscope (above) and an Austrian daguerreotype (below) are two photographic formats to be discussed in the History of Photography lectures scheduled March 20 and 23. (See calendar listings.)

Tuesday, March 24

Comp. Lit. Luncheon, 12:15 p.m., Room 204 HUB. Robert Fitzgerald, Harvard Univ., on "Translating Homer."
Comp. Lit. Film Series, *Enjo*, 7 and 9 p.m., Room 112 Kern.

Artists Series film, *Whale, The Bride of Frankenstein* (1935), 8 p.m., Schwab.
German Dept./IAHS lecture, 8 p.m., Room 147 Willard. Helmut Mussener, German Institute, Univ. of Stockholm, on "German Studies in Sweden."

Archaeological Institute of America lecture, 8 p.m., Room 102 Forum. Eugene Borza, history on "The Search for Alexander" Exhibit: Some Background and a Preview."

URTC, *The Cherry Orchard*, 8 p.m., The Pavilion Theatre.

Wednesday, March 25

Commons concert, noon, Kern Lobby.
STS/TC, luncheon, noon, talk, 12:20 p.m., Room 101 Kern. Rob Fisher, sculptor, on "The Artist as Mad Scientist."

Robeson Center Film Series, James Earl Jones in *Paul Robeson*, 7:30 p.m., Walnut Bldg.

URTC, *The Cherry Orchard*, 8 p.m., The Pavilion Theatre.

IAHS/Graduate School lecture, 8 p.m., Room 112 Kern. Robert Fitzgerald, Harvard Univ., on "A Translator's Homer."

The Alard String Quartet, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, March 26

Board of Trustees meeting, The Milton S. Hershey Medical Center.

Archaeological Institute of America, excursion to "The Search for Alexander" exhibit, Washington, D.C. Info: 865-8651.

Sports: tennis (men) vs. Brown Univ., 10 a.m.

History of Photography lecture, 2 p.m., Room 101 Kern. John Collier, photographer/anthropologist, San Francisco Art Inst. and San Francisco State College, on "Photography during the Great Depression."

History of Photography lecture, 8 p.m., Room 101 Kern. Kathleen Fuller, grad. ass., on "Photography and Politics."

URTC, *The Cherry Orchard*, 8 p.m., The Pavilion Theatre.

Friday, March 27

Sports: volleyball (men) vs. Army, 7 p.m. Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.



URTC, *The Cherry Orchard*, 8 p.m., The Pavilion Theatre.

Mary Beth Lons, violin, 8:30 p.m., Music Bldg. Recital Hall.

Contemporary Dance Company, 8:30 p.m., Eisenhower Auditorium.

Saturday, March 28

Sports: fencing (women) vs. Temple, Cornell, Indiana (Pa.) and William Paterson, 9 a.m.; basketball vs. Navy (DH), 1 p.m.; lacrosse (women) vs. James Madison, 3 p.m.; volleyball (men) vs. Rutgers/Newark, 7 p.m.

Contemporary Dance Company, 2:30 and 8:30 p.m., Eisenhower Auditorium.

URTC, *The Cherry Orchard*, 8 p.m., The Pavilion Theatre.

Penn State Percussion Ensemble, 8:30 p.m., Music Bldg. Recital Hall.

Artists Series, McCarter Theatre Company in *Moby Dick* Rehearsed by Orson Welles, 8:30 p.m., Schwab.

Sunday, March 29

University Chapel Service, 11 a.m., Eisenhower Chapel. The Rev. John J. Wenzke, PSU Lutheran Student Parish, speaker.

Seminars

Thursday, March 19

Ceramic Science and Engineering, William Rhodes, GTE Laboratories, on "Sintering

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Studies of Yttria-Based Systems," 11 a.m., Room 301 Steidle.

Chemistry, Yuan Lee, UC-Berkeley, on "Molecular Beam Studies of Reaction Dynamics," 12:45 p.m., Room 333 Whitmore.

Economics/Institute for Policy Research and Evaluation, Robert Clower, UCLA, on "Foundations of Industrial Organization Theory," 2 p.m., Room 124 Sparks.

Physics, John Hall, National Bureau of Standards, Colorado, on "Precision Dye-Laser Spectroscopy," 3:55 p.m., Room 445 Davy.

Agronomy, Andrew Rogowski, North East Watershed Research Center, on "Geostatistics in Agriculture," 3:55 p.m., Room 111 Tyson.

Fuel Science, Randy Winans, Argonne National Labs, on "New Approaches to the Separation and Chemical Characterization of Coal Macerals," 4 p.m., Room 301 Steidle.

HPER, Rolf Meyersohn, CUNY Graduate School, on "Social Aspects of Tourism," 7 p.m., Room 112 Kern.

Friday, March 20

Analytical Chemistry, Steve Zabarnick, grad. ass., on "Sensitive Electron Capture Sensitization," 11:10 a.m., Room 333 Whitmore.

Monday, March 23

Biochemistry, Richard O. Hynes, Center for Cancer Research, MIT, on "Fibronectin and Cellular Behavior," Part I, 4 p.m., Room 101 Althouse.

Tuesday, March 24

ARL, J.D. Maynard, physics, on "Near Field Acoustic Energy Flow," 10:45 a.m., Eric A. Walker Conference Room, Applied Sciences Bldg. (See receptionist.)

Biochemistry, Richard O. Hynes, Center for Cancer Research, MIT, on "Fibronectin and Cellular Behavior," Part II, 11 a.m., Room 101 Althouse.

Philosophy of Science, Glen Helman, philosophy, on "Bootstrapping: Glymour's Alternative to the Hypothetico-deductive Method," 3:45 p.m., Room 124 Sparks.

Organic/Inorganic Chemistry, R. Rudolph, Univ. of Michigan, on "Cluster Chemistry," 8 p.m., Room 333 Whitmore.

Thursday, March 26

Ceramic Science and Engineering, Jean Blachere, Univ. of Pittsburgh, on "Grain-Boundary Controlled Creep," 11 a.m., Room 301 Steidle.

Chemistry, Robert Bergman, UC-Berkeley, on "Transformations of Organic Compounds Mediated by Transition Metal Complexes," 12:45 p.m., Room 333 Whitmore.

Ecology/Anthropology, Paul W. Sherman, Cornell Univ., on "Nepotism and Kin Recognition in Ground Squirrels," 3:55 p.m., Room 8 Mutler.

Physics, David Lichtman, Univ. of Wisconsin, topic to be announced, 3:55 p.m., Room 445 Davy.

Agronomy, William Stringer, agronomy, on "Alfalfa Growth Striver and Cold Hardiness," 3:55 p.m., Room 111 Tyson.

Fuel Science, C.A. Mims, Exxon Research and Engineering Co., on "Kinetics and Mechanisms of Alkali Catalyzed Carbon Gasification," 4 p.m., Room 301 Steidle.

Anthropology, Louis Dupree, anthropology, on "The First Russian Afghan War: Reflections on the Cultural Components," 8 p.m., Room 101 Chambers.

Friday, March 27

Analytical Chemistry, Gary Simmons, Lehigh Univ., on "Electron Spectroscopic Studies of the Reaction of Corrosive Gases with Metal and Alloy Surfaces," 11:10 a.m., Room 333 Whitmore.

News in Brief

(Continued from page 1)

Wagner Annex and was beamed via satellite to more than 40 public television stations around the nation. The teleconference was funded by the telecommunications Demonstration Program of the U.S. Department of Education as part of a demonstration grant to PENNARAMA, Pennsylvania's continuing education cable television network service. Its purpose was to share information about how colleges and universities are using cable TV.

Alard plays March 25

March 25, the 100th anniversary of composer Bela Bartok's birthday, has been selected as the date for a concert by the Alard String Quartet. The concert will begin at 8:30 p.m. in the Music Building, Recital Hall.

The program will include Bartok's Quartet No. 1, Luigi Boccherini's Quintet for Guitar and Strings, featuring guitarist Lawrence Rich; and the Quartet in E Minor by Sir Edward Elgar.

The Alard String Quartet is composed of Joanne Zagst Feldman and Donald Hopkins, violinists; Raymond Page, violist; and Leonard Feldman, cellist.

Hyslop Reading Room open

The Francis Hyslop Reading Room, honoring the late professor emeritus of art history, has been opened on the second floor of the Arts Building.

The reading room's collection was donated to the Department of Art History by Dr. Lois B. Hyslop, professor emerita of

Romance languages, who collaborated on four books with her husband. The collection includes art journals from the past several decades, about 700 photographs and 9,600 postcards, 380 university prints, books and teaching materials for printmaking.

Dr. Hyslop, a member of the faculty from 1934 to 1974, was the first art historian hired by the University.

Persons wishing to visit the reading room may contact the Department of Art History at 865-6326.

President Oswald presents '81-82 Appropriation Request

Editor's note: The following article, which is the second of two on the subject, has been prepared from excerpts of the *Statement presented by President Oswald during the University's budget hearings March 2 and 10 before the House and Senate Appropriation Committees. Material taken directly from the 1981-82 "Budget Presentation" booklet is indicated by quotation marks.*

Penn State's 1981-82 budget request "is not just a document setting forth our needs as we view them for one year. Rather, it is presented in the context of the University as we view it over the next decade. Significant national trends have implications for Penn State's programs—increased student interest in career-related programs; the dramatic increase in the number of women attending college; the equally dramatic increase in the use of computers in instruction; and the fact that in many areas of high market demand for undergraduates, fewer students are going on to graduate school. Difficult problems are anticipated—the drop in the numbers of traditional college-age students, persistent increases in the costs of goods and services, and continued fiscal stringency.

"For the past three years we have been studying these issues carefully in the context of preparing a plan for the next decade. Several hundred faculty members, administrators, and students participated in this major planning effort. The actual process brought together the many and diverse segments of the University community, and had an extremely salutary effect in identifying the issues which Penn State will be facing in the next few years. The resulting product, *A Perspective on the '80s*, provides the University with a strategic look at its purposes, missions, programs, enrollments, and fiscal resources as a guide to decisions in the 1980s.

"Our five-year planning and budget process, inaugurated in 1977, provides the mechanism to address these issues as the University plans for changes over the next five years. Each year a comprehensive review is made of each academic and non-academic unit over a five-year time horizon. . . . decisions are reached on the allocation and reallocation of available resources on the basis of priorities. In this way, we are linking budgetary decisions to academic plans and priorities, and we are facing up to the difficult choices which will have to be made."

"The opening chapter of *A Perspective on the '80s* spells out the University's objectives for the next decade: 'For maximum effectiveness, long-range planning efforts in higher education must focus on a limited number of crucial issues. Therefore, three pervasive themes are found throughout the document—quality, selectivity, and flexibility. These are Penn State's objectives for the decade of the '80s. . . .

"The first and perhaps most fundamental of the three objectives for the '80s is 'quality.' As President, I am convinced of the superior quality that Penn State represents today, and I would like to cite some examples:

"—Penn State is the largest single institution of higher learning in Pennsylvania, enrolling one out of every ten college students in the State. It is also the most accessible, with one of its 22 campuses within easy commuting distance of 95 percent of Pennsylvania residents.

"—More students send their Scholastic Aptitude Test (SAT) scores to Penn State than any other college or university in the nation. Within Pennsylvania, nearly one out of three high school graduates electing to go to college applies to Penn State.

"—At Penn State, the emphasis on professional and vocational preparation always has been strong. Student demand has shifted toward program areas

providing career opportunities and meeting economic, technological, and social needs. . . . over half of the baccalaureate degree students at Penn State are majoring in programs contained within the Colleges of Business Administration, Engineering, Science, and Earth and Mineral Sciences.

"—Currently, there are approximately 200,000 living Penn State alumni, of whom nearly 125,000 are residents of Pennsylvania.

"—Penn State is a major supplier of professionals to companies whose corporate headquarters are located in Pennsylvania. For example, Penn State graduates in large numbers work for Bethlehem Steel (482), Armstrong World Industries (272), Gulf Oil Corporation (253), Pittsburgh Plate Glass (207) and Pennsylvania Electric Company (167). In addition, the University provides more graduates for General Electric than any other institution (over 1,000 Penn States currently employed), is number two in providing graduates to Westinghouse Electric and is among the top suppliers of college talent to IBM (980 Penn States currently employed).

"—As a result of its history and land-grant status, Penn State's instructional programs are unique. For example, for nine consecutive years Penn State has granted more associate degrees in engineering technology than any other institution in the country. More than 80 programs in agriculture, science, and technology are offered in Pennsylvania only by Penn State, and 23 certificate programs are similarly unique.

"—Quality public service programs are an important and integral part of the University's mission. Penn State's continuing education programs long have been recognized as national leaders in the field, and they have responded effectively to the changing educational needs of the Commonwealth. It has the nation's fourth largest continuing education credit program and the largest noncredit and education by correspondence programs. With assistance from the Kellogg Foundation, Penn State is developing model programs of continuing education for professionals. In addition to the Cooperative Extension Service Programs in every county of the State, the University serves business and industry through the Pennsylvania Technical Assistance Program (PENN-TAP) and through the newly established PENNARAMA, which provides televised education to citizens throughout the Commonwealth.

"—Penn State's Milton S. HERSHEY Medical Center is unique, not only in the State but in the nation, for its emphasis on the humanities, behavioral science, and family and community medicine. Graduates of the College of Medicine are practicing in nearly all areas of the State, including underserved rural areas.

"—In its planning for the decade of the '80s, the University has recognized the need for increased private giving. In 1975-76, Penn State undertook a five-year campaign to double the dollar amount of private gifts to the University, primarily from its alumni and friends. Although that goal was reached within the fourth year, the potential for even greater support from our almost 200,000 living alumni is excellent. Current planning calls for doubling again the level of private support to the University by 1985. This fall, we have reorganized and expanded the Penn State Fund Council and are in the process of strengthening the University's internal fund-raising organization. We recognize that private giving can combine effectively with other funding to assure the excellence of our many programs that serve both the Commonwealth and the nation.

"Quality in research merits special attention. Research is a principal means by which the University responds to the problems of the Commonwealth.

"Through its many research activities,

the University is in a strong position to contribute toward solutions of many of today's challenges. Consider the following exciting research activities being conducted currently by Penn State scientists:

"—A new technology for cancer detection has been developed by biochemists at the Milton S. HERSHEY Medical Center. Known as a "tumor-specific glycoprotein assay," the test is conducted on blood samples from the patient. Most cancer tests on the market today monitor only one class of malignancy, while this new technology appears to have the potential to detect a broad spectrum of cancers. Further development of this technology by a private pharmaceutical company in conjunction with Penn State scientists continues, with the hope that an FDA-approved test will result for the benefit of mankind.

"—In the nation's pioneering and major university effort, researchers in the University's College of Earth and Mineral Sciences are developing the technology needed to tap a vast potential energy source—methane gas which is buried deep in the fissures of the country's coal seams. The degasifying of the coal beds also could have significant benefits in mine safety.

"—Scientists in the Agricultural Experiment Station have found a way to develop wheat and rice crops which they believe would be largely resistant to the fungal diseases that devastate much of the world's food crop every year. In research that could have enormous implications for world food supplies, Penn State scientists have solved a genetic riddle which, they believe, will make it possible for crops to thrive despite the existence of rice blast and wheat rust. If these scientists are correct, farmers the world over would be able to grow vast quantities of upland rice on hundreds of thousands of acres of virtually unused land. Also, they would be able to increase dramatically the yields of both wheat and rice in existing fields.

"—The College of Agriculture and the Institute for Research on Land and Water Resources have developed a successful and economical method for the disposal of sewage sludge. This method entails transporting the sludge to areas where stripmine reclamation is in process. Although sludge disposal and reclamation of barren mine land represent separate environmental concerns, this innovative approach solves both problems simultaneously.

"The City of Philadelphia currently is using this method of sludge disposal, their least cost option. The City earlier had signed a consent decree calling for an end to ocean dumping of sewage sludge by the end of 1980. The sludge is trucked to strip mine reclamation sites in Somerset County in Western Pennsylvania. Truckers who once returned empty from coal-hauling trips to Philadelphia now come back with a sludge payload. The nutrients in one sludge application are rich and slow acting enough to feed vegetation for five years. As vegetation increases, acid mine water and erosion are reduced, and the land returns quickly to production.

"Environmentalists applaud the elimination of ocean dumping, and with scientists, appreciate the practical solution of cancelling one waste with another. Plans are to reclaim one thousand acres a year in counties such as Indiana, Somerset, Westmoreland, and others where there may be interest.

"The method being used in Philadelphia is receiving national attention as a positive example to other major cities of how it is possible to end ocean dumping and pursue alternative disposal methods."

These programs are examples of how research at Penn State can have a payoff to the citizens of Pennsylvania in a relatively short period of time.

"Despite Penn State's considerable efforts to maintain and improve the

quality of its programs and services, the decline in real purchasing power of the University's resources is resulting in a number of serious problems which must be alleviated." Some examples are:

"—Basic courses in Business Administration are severely overcrowded, and are not available to some students who need them. Class sizes in basic chemistry, physics, and biology frequently exceed 60 students. First-year calculus courses usually exceed 400 students. Advanced engineering courses frequently exceed 70 students, more than triple the usual section size for this type of instruction.

"—Certain laboratory sections in many of the natural and physical sciences, as well as engineering, have been reduced or eliminated because of the high cost of laboratory instruction.

"—The ability of the University's Libraries to purchase appropriate materials for research and study has been seriously eroded. From 1969 to 1979, the price of the average book has risen nearly 130 percent and the price of the average periodical has risen over 218 percent. During this same period, funds available for the purchase of these library materials have risen only 27 percent.

"—A significant portion of the University's instruction and research equipment was provided during the 1950s through the early 1970s from State and Federal funds as original equipment for new buildings, or from Federal research grants. Equipment that is wearing out or becoming technologically obsolete must be replaced. While some of each year's resources are devoted to this purpose, much more needs to be provided to update and replace essential equipment.

"—Many of the facilities constructed during the 1950s and 1960s are at the age where major maintenance is required—e.g., major roof repairs and complex electrical, heating, and air conditioning systems. Major maintenance to existing facilities must be performed to keep the physical facilities in good serviceable order. In addition, regulatory standards set forth by agencies of the State and Federal governments must be accommodated at substantial expense to the University."

Staff Vacancies

The following vacancies for positions classified as staff or exempt staff non-union have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by filing the Employment Division, 805-1387 (network line 805-1387). Applications for these staff vacancies will be accepted until 3 p.m., March 26, 1981. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

DIRECTOR OF BUSINESS SERVICES, COLLEGE OF MEDICINE, HERSHEY Responsible for recruitment and selection of department personnel; approval of the selection of other department personnel; responsible for the preparation, expenditure of funds, and monitoring of budgets for departments on the basis of cost, need, historical trending, economic indicators and discussions with department heads; responsible for analyzing and recommending new or revised charges; setting up, maintaining and controlling rates for applicable departments; responsible for the preparation of financial reports, statistical analyses, annual reports; develop financial planning, construction and submit Center data for inclusion on various reports for the University and for federal, State and other agencies as assigned. Bachelor's degree in management or equivalent, with emphasis in accounting and five to six years' effective experience.

MANAGER, UTILITIES OPERATION & MECHANICAL ELECTRICAL TRADES, OFFICE OF PHYSICAL PLANT, UNIVERSITY PARK Responsible to the Director, Physical Plant Maintenance and Operations. For the management, administration and controlling functions of assigned activities within the Office of Physical Plant with accountability for results. Must continually apply knowledge of management techniques, work procedures and methods, machines and equipment. Departmental and University policies and objectives of the department and University. Promotable responsible for management and administration of campus utilities, including Waste Water Treatment and Plant and Power Plants, wastewater operations, mechanical and electrical trades. Bachelor's degree in engineering, plus four to seven years of experience with effective management experience at levels requiring administrative decision-making.

Penn State Intercom



Professor Brown



Dr. Argento

Choirs will premiere a new work by Dominick Argento on April 11

The world premiere of a work specially commissioned from composer Dominick Argento for the University Choirs will be presented on Saturday, April 11, at 8:30 p.m. in Schwab Auditorium.

The piece, "Peter Quince at the Clavier," is based on a poem by Wallace Stevens. It was commissioned, with private funding, by the Institute for the Arts and Humanistic Studies.

Three other Pennsylvania audiences will preview the commemorative piece during the Commonwealth's celebration of its bicentenary.

On April 12, Choir Director Raymond Brown will take his singers to York — Mr. Argento's birthplace; on April 13, to Reading — Mr. Stevens' birthplace; and on April 27, to Hershey.

The program will be offered also on April 28 in Washington, D.C., and as part of a May 26-June 13 tour of the British Isles by the Choirs. In England, the Choirs will sing at the Mayflower Barn in Old London, where William Penn is buried.

Dr. Argento will spend the week of April 6-11 in residence at University Park.

A Regents' Professor at the University of Minnesota, Dr. Argento received the Pulitzer Prize in 1975 for his song cycle, "From the Diary of Virginia Woolf." He has composed 10 operas, five song cycles, and numerous symphonic and choral works.

His musical achievements have been recognized through a range of awards including several Guggenheim Fellowships, grants from the National Endowment for the Humanities, membership in the American Academy of Arts and Letters and an Honorary Doctorate from York College.

Although he has written orchestral pieces, Dr. Argento prefers to write vocal music, according to Professor Brown, who was a classmate of the composer's at Baltimore's Peabody Institute in the 1930s. (Dr. Argento earned his Ph.D. from the Eastman School of Music.)

"Of all instruments for the production of music, the voice, in my opinion, takes pride of place," Dr. Argento told an interviewer. "It is the original instrument, the one for which and with which music was invented."

In "Peter Quince at the Clavier," Dr. Argento has turned to the work of one of

America's best known contemporary poets, Wallace Stevens (1879-1963), an insurance executive, published nine books of poetry, twice won the National Book Award for poetry, and received the Pulitzer Prize.

The composer described his own feelings about "Quince" in a letter to Professor Brown, calling the piece "a typical four-movement symphony (or sonatina)." He continued:

"The first movement is fairly straightforward and generally pleasant, setting the tone and argument of the work. The second movement, a beautiful (or erotic) adagio, just wallowing in gorgeous

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Byzantium, Leaf by Leaf

Editor's Note: This article, in which a faculty member describes his on-going research, is one in a new series which INTERCOM will publish from time to time.

By Anthony Cutler, Professor of Art History

There are probably as many sorts of art history as there are branches of geography or astronomy. The sort that I pursue is the investigation of clusters of medieval objects to determine what they may have in common. Through these links we can establish their role in the life of the patron that commissioned them and the extent to which they reveal shared patterns of function and meaning for the world that made and used them. Perhaps no society produced more great works of art, yet in them revealed less of itself, than Byzantium, the Eastern Roman Empire that from A.D. 324 was based in Constantinople and lasted until it was overwhelmed by the Ottoman Turks in 1453.

Byzantium's artistic products are largely anonymous and generally undated. We know the names of the patrons or the artists of fewer than 1 percent of them. Generally, Byzantine works of art can be dated only by analyzing their place within a sequence of stylistic development — the traditional occupation of most art historians whatever field they work in. But

News in Brief

Input being sought for "Faculty Handbook"

A new edition of the *Faculty Handbook* is being prepared. The previous edition, issued in 1976, is out of date in many respects.

Suggestions are welcome from faculty and staff members, especially in the matter of topics to be included in the revised edition.

Suggestions should be sent to Chester C. Gnatt, chairman of the *Handbook* revision committee, Room 205 Old Main, University Park, no later than April 8.

The *Handbook* is intended to serve the needs of faculty members on a University-wide basis. Some Commonwealth Campuses supplement the *Handbook* with additional information pertinent to their own local conditions.



Mr. Irvis

Radnor conference studies kibbutz, American values

Interested Penn State faculty members are invited to register for an unusual conference, "The Kibbutz Experience and American Life: A Comparative Examination of Values and Their Implementation."

The conference will be held at the Radnor Center for Graduate Studies April 29 and 30.

Speakers for the conference are Professor Moni Alon of Haifa University; Professor Joseph R. Blasi of Harvard University's Center for Jewish Studies; Dr. Yoram Krol of Hebrew University and visiting scholar at the University of Pennsylvania; and Dr. Menachem Rosner,

(Continued on page 6)

House leader is Festival speaker

The Honorable K. Leroy Irvis, minority leader of the Pennsylvania House of Representatives, will be the keynote speaker at the 1981 Black Arts Festival on Thursday, April 2, at 8 p.m. in the Charlotte Ray Memorial Lounge of the HUB.

In keeping with the festival theme of "Black Perspectives: New Vistas for the '80s," Mr. Irvis will consider those perspectives in the political arena.

Born in Saugerties, N. Y., Mr. Irvis graduated summa cum laude from New York State Teachers College, and earned a master's degree in education from the University of New York at Albany. At the

(Continued on page 6)



Dr. Cutler

"style" the character and quality of a work of art, does not develop or decline in a simple linear progression. It is affected by variables as different as the training and competence of the artist, the "budget" of the place, and the models that the artist worked from. Obviously we need to know as much as we can about the artist and his client if we are to "place" a work of art in its correct sequence.

Most medieval art is normative in character; that is to say it conforms to established forms which determine not only its content but also, to a large extent, its style. But beyond this rather abstract notion, one has to take into account such mundane considerations as the degree of luxury for which the client was willing to pay and the degree of pretentiousness involved in his decision to commission a copy of, say, a much older manuscript. This investigation tells us not only about the creation of medieval books — one of my special interests — but about their "after life." It reveals which manuscripts survived, where, and under what conditions of accessibility. It reveals the changing taste of Byzantine patrons: why, for example, 10th-century books were copied in the 14th century but not a hundred years earlier.

It will be evident that the reproduction of antiques is by no means only a modern phenomenon. In Byzantium, magnates apparently commissioned "fakes" so skillful that it takes a trained eye to detect them — a virtue that can hardly be attributed to modern "Chippendale" or "French Provincial" furniture. For instance, in Baltimore there is a famous Psalter (an illuminated Psalmsbook) that for years was attributed to the 11th century. By analyzing the script and the picture-style, I was able to show that it was a 14th-century work.

(Continued on page 5)

Penn Staters



Paul West, professor of English and comparative literature and a Fellow of the Institute for the Arts and Humanistic Studies, has been chosen to receive the 1981 Governor's Award for Excellence in the Arts in the field of literature.

Professor West and award recipients in nine other fields — including artist Andrew Wyeth and musician Vincent Persichetti — will be honored in Harrisburg on May 5 at special ceremonies in the Capitol Rotunda and at a luncheon in the Governor's Mansion.

A Penn State faculty member since 1962, Professor West has written nine novels and 11 other books in the past 18 years, many of which have won major awards. His most recent novel, *The Very Rich Hours of Count von Stauffenberg* (1980, Harper and Row), was described by *The New Yorker* as "an astonishing union of research and imagination." *The Boston Globe* said it was "a demanding, disturbing, but ultimately rewarding and extraordinary novel."

Among Professor West's non-fiction books is *Words for a Deaf Daughter* (1979, Gollancz, London; 1970, Harper and Row), a work that received wide critical acclaim.

He began to publish when still in his early twenties, with a pamphlet of poems that came out while he was a Research Fellow at Oxford.

He came to the U.S. on a Smith-Mundt Scholarship to Columbia University in 1952, but later returned to England to serve for three years in the Royal Air Force. In 1957 he joined the faculty of Memorial University of Newfoundland, Canada. In 1962 he returned to the U.S. on a Guggenheim Fellowship and joined the Penn State faculty.

Most of his novels have been written at Penn State. He teaches undergraduate writing courses and is also a member of the faculty for a new graduate writing program to be opened in the fall.

Blake and Freud by Diana Hume George, assistant professor of English at The Behrend College, has been named one of the outstanding academic books of 1980 by the editors of *Choice*. *Choice*, a major book-selection journal for librarians, announces each year those titles it has reviewed that merit special praise.

Dr. Z. T. Bieniawski, professor of mineral engineering, recently presented invited lectures at two universities. At UC-Berkeley, he described "Experience with In Situ Testing of Rock Properties" at a special National Science Foundation Seminar on Large-scale Testing in Geomechanics. At the University of Minnesota in Minneapolis, he talked about "Engineering Rock Classifications."

Dr. Peter Gould, professor of geography, recently presented two invited lectures at Clark University in Worcester, Mass. He addressed the Graduate School of Geography on "Philosophy and Algebra in Contemporary Geography" and "The Structure of International Television."

Dr. Gerald E. McClearn has been named associate dean for research and graduate studies for the College of Human Development.

Dr. McClearn comes to Penn State from the University of Colorado, where he was professor of biology, pharmacology and psychology and director of the Institute for Behavioral Genetics.

In addition to his duties as associate dean, Dr. McClearn is director of the Institute for the Study of Human Development in the College. He has the academic titles of professor of individual and family studies and professor of human nutrition.

A native of Sandy Lake, Pa., Dr. McClearn received his bachelor's degree from Allegheny College and his master's and doctoral degrees from the University of Wisconsin.

He served on the University of Colorado faculty for 15 years and has held affiliate faculty membership at the University of Hawaii for the past six years. He served also as a faculty fellow at the Galton Laboratory in London, on the faculty at the University of California at Berkeley, and as a post-doctoral fellow at the Institute of Animal Genetics in Edinburgh.

Robert Harkavy, associate professor of political science, has returned from a two-week European lecture tour sponsored by the U.S. International Communications Agency. Speaking on the general theme of the Reagan Administration's national security and arms control policies, Dr. Harkavy addressed audiences at universities and in other settings in Brussels and Louvain, Belgium; Bonn, West Germany; both East and West Berlin; and Belgrade, Titograd, Zagreb and Ljubljana, Yugoslavia.

Dr. Robert Newnham, professor of solid state science, returned recently from India where he was one of ten invited participants from the United States in the Indo-U.S. Symposium on Materials held in Bangalore under sponsorship of the National Science Foundation. At the symposium, he described research in ferroelectric materials that is being conducted at Penn State. While in India, he also gave talks at the Babba Atomic Research Center in Bombay, the Institute of Technology in Delhi, and the Indian Institute of Technology in Kanpur.

Joseph L. Wysocki, family housing specialist with the Cooperative Extension Service, has been asked to serve as one of 10 Steering Committee members for a federal Task Force investigating housing regulations. The immediate goal of the group is to present to the White House and Congress by April 15 a list of recommendations of short-term actions that can be taken quickly by the federal government to ease the depressed housing situation in America. Throughout the remainder of this year, the full range of government regulations and regulatory processes impacting on all buildings will be examined and recommendations developed.

Dr. Eugene N. Borza, associate professor of history, recently gave three invited lectures in Virginia. The first, "Philip II and Alexander the Great: Ancient Propaganda and Modern Politics," was sponsored by the History Department of George Mason University, at Fairfax. The other two, entitled "Of Tombs and Kings and Things: The Archaeological Discovery of Ancient Macedonia," were part of a series sponsored by the Archaeological Institute of America, and were given at Charlottesville and Richmond. Dr. Borza has been a National Lecturer for the Archaeological Institute since 1976.

Dr. C. Gregory Knight, professor of geography, recently completed a lecture series that was arranged under the Visiting Geographical Scientist program of the Association of American Geographers. He spoke at Miami University (Ohio) and Wittenburg University on two topics: "Small-scale Agriculture in the Context of

Development" and "Environmental Limitations on Tropical Productivity: Theory and Practicality."

Dr. Knight was also recently appointed associate editor of *GeoJournal*, an international publication devoted to the physical, biological, and human geosciences and their application in environmental planning and ecology.

Richard A. Queeney, associate professor of engineering mechanics, recently completed a design manual for construction of composite wind turbine blades for the Department of Energy. The manual is expected to be of interest to persons interested in generating some fraction of their own electric power.

Dr. Frederick H. Wood Jr., head of the division and professor of curriculum and instruction, was elected president of the Council for the Professors of Instructional Supervision at the recent meeting of the Association for Supervision and Curriculum Development in St. Louis. Membership in the Council is limited to a group of 75 professors who have achieved national recognition and who are committed to research and scholarship in the areas of instructional supervision and staff development.

Dr. Geoffrey L. Wilson, associate professor of engineering research in the Applied Research Laboratory and a member of the faculty of the Graduate Program in Acoustics, has been named a Fellow of the (British) Institution of Electrical Engineers. He is also a Fellow of the (British) Institution of Acoustics and of the Audio Engineering Society, and a Senior Member of the Institute of Electrical and Electronics Engineers.

Murray S. Martin, associate dean of Libraries and member of the Comparative Literature Program faculty, presented a paper at the Ninth Annual Conference on Twentieth Century Literature held at the University of Louisville last month. The theme of the conference was "Quest and Discovery in Twentieth Century Literature." Mr. Martin's paper was on "Alan Curnow and New Zealand Poetry: The discovery of the past and the will to accept the future."

Dr. Caroline D. Eckhardt, associate professor of English and comparative literature, gave an invited paper on "New Literary Continents" at the Sixth Area Studies Conference held Feb. 26-27 at Columbia University and sponsored by the NDEA Centers, the Association of Departments of Foreign Languages, and the Council on National Literatures.

Bookshelf

Four faculty members at University Park are among the co-authors of a college textbook on early childhood education, *Language Arts and the Young Child*.

Collaborating on the book, published by F. E. Peacock, were Drs. Thomas D. Yawkey, Eunice N. Askov and Carol A. Cartwright, all professors of education, and Dr. Mary M. Dupuis, associate professor of education. Joining the Penn State faculty members — all in the College of Education's division of curriculum and instruction — were Dr. Steven Hunter Fairchild, who received his doctorate at the University in 1978 and is now at James Madison University, and Margaret L. Yawkey, reading specialist with the Tyrone Area School District.

Included in the textbook are chapters on "Views of the Young Child," "Listening," "Oral Language Development and Composing," "Handwriting," "Teaching Spelling in the Early Years," "Imaginative Play and Creative Expression: Contributions to the Language Arts."

The textbook, the authors note, is intended for pre-service and in-service educators in day care, nursery, kindergarten and primary grades. It covers the teaching and learning of language arts for children aged 2 through 8.

25-year chair



Warren W. Hassler Jr., professor of American history, is observing his 25th year as a Penn State faculty member. Dr. Hassler is also a Fellow of the Institute for the Arts and Humanistic Studies.

A prolific writer in his field of interest, military history, Dr. Hassler has authored some 70 book reviews for scholarly journals and some 25 articles for learned quarterlies. In addition, he has authored the following books: *General George B. McClellan: Shield of the Union*, recipient of the Southern Book of the Year Award in 1958; *Commanders of the Army of the Potomac: Crisis at the Crossroads*; *The First Day at Gettysburg*; *The President as Commander in Chief*; *With Shield and Sword: American Military Affairs, Colonial Times to the Present* (to be published this year). He is also the co-author of the two-volume series, *Civil War Books: A Critical Bibliography*; and the author of the main article on the American Civil War for the latest edition of *Encyclopedia Britannica*.

From 1969 to 1975 Dr. Hassler served on the Secretary of the Army's Advisory Committee for the Military History Institute, U.S. Army War College, Carlisle (Pa.) Barracks, being the ranking senior member in the last year. During 1975-76, he was the second occupant of the Morrison Chair of Military History at the Command and General Staff College, Fort Leavenworth, Kan. During 1979-80, he was the Visiting Professor in the Chair of Military History at the U.S. Military Academy, West Point, N.Y.

Dr. Hassler received his Ph.D. from Johns Hopkins University (1954), his M.A. from the University of Pennsylvania (1951) and his B.A. from Johns Hopkins (1950), all in history. He also served with the U.S. Army Airforce from 1945 to 1947 in the European Theatre of Operations.

During his university tenure, he has served on numerous department, college and university committees, including six years on the Faculty Senate.

Promotions

Staff Non-Exempt

Joyce A. Parsons to data extraction specialist in Agriculture.
Gloria A. Slatick to senior staff nurse at Hershey.
Paul D. Swanson to engineering aide in ARL.

Clerical

Tracey S. Adams to secretary C in Human Development.
Anna L. Behney to secretary B at Hershey.
Jean C. Kagarise to secretary A in Human Development.
Cathy May Neff to accounting clerk in Controller's Office.
Julie Pappas to clerk, data processing in Capital Campus.
Dorothy S. Stauffer to clerk A, monitoring in Student Administrative Services.

Technical Service

Lorij. Anderson to animal caretaker at ARL.
Hershey.

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(Continued from page 2)

Craig N. Kreider to farm machinery and truck operator in Agriculture.
Nancy L. Kurzingger to residence hall utility worker in Housing and Food Services.
William C. Matusky to lead maintenance mechanic at DuBois.
Joseph Zabaley to group leader, maintenance worker utility at DuBois.

Retirements



M. Maxwell Smith, Lancaster County senior Extension agent, will retire March 28 with 44 years of service.

Nationally known for his educational work in livestock production, Mr. Smith earned his B.S. in animal science at Penn State in 1936 and joined the Lancaster County staff the following year. He has been coordinator of Extension programs since 1949.

During his career, he has received many honors. In 1956, he was selected as one of the top 10 county agents in the United States by the American Hereford Association. He also represented Pennsylvania agriculture on the Partners of Alliance Study Team in Brazil in 1965. A recipient of the U.S. Department of Agriculture's Superior Service Award, he was named Livestock Man of the Year by the Pennsylvania Livestock Association and was the recipient of a Master Educator Award presented by the Pennsylvania Association of Farmer Cooperatives.

Melvin C. Harper, lead carpenter in the Office of Physical Plant, will retire April 1. He has been a University employee since April 1, 1956.

In observing not only his retirement but also his 25th year with the University, Mr. Harper says he plans to begin building a grandfather clock, a project he never had the time for until now.

He has had time, however, to build several smaller mantle clocks in his home workshop, where he also constructs custom-made cabinets and other wood pieces. He plans to continue his oil painting, noting that he usually prefers landscapes and still lifes.

Other of Mr. Harper's retirement plans include participating in activities of the Bald Eagle Grange and the Bald Eagle Methodist Church, and hunting and fishing.

Mr. Harper and his wife, Margaret, live in Tyrone. Their son, Clair L., was formerly a supervisor in engineering shop services.

Julia M. Herr, food service worker in Housing and Food Services, will retire April 4 after working at the University since March 20, 1958.

"The biggest change I've seen was this past fall, when we introduced the salad bars," says Mrs. Herr. She adds that this is a change "the students really like—sometimes, my busiest moments are keeping up with their appetites by re-stocking the many salad ingredients."

Mrs. Herr has worked in Pollock Dining Hall since it first opened in 1960, having served previously in Waring Dining Hall. In addition to her dining hall duties, she also spends about three hours per day working in Pollock's linen room, where she distributes linens to students and uniforms to her co-workers.

Of her retirement plans, she says she and her husband, Mervil—who retired from a custodial position in Housing and Food Services in 1974—intend to visit relatives in Colorado and Arizona. In addition, they are both members of the Gideon Chapter in Lock Haven and look forward to increasing their activities with the group.

Bertha S. McCracken, a food service worker in Housing and Food Services, will retire March 29 after serving on the staff since March 1, 1962.

Adelene C. Eisenhart, a general helper in Business Services, will retire March 28 after working at the University since Oct. 10, 1969.

Henry H. Shower, janitor foreman with the Office of Physical Plant, will retire April 1 after a tenure dating back to March 1, 1965.

Pauline B. Broadwater will retire April 4 as an anesthesia workroom aide at Hershey, where she has been employed since Oct. 10, 1967.

Josephine P. Cleary, a secretary in Health, Physical Education and Recreation since Jan. 1, 1967, will retire April 1.

Rose Ann Bobak, a secretary in the Office of Planning and Budget, left the University Jan. 7. She had been a member of the staff since Sept. 1, 1967.

Howard Finney left his position as an editorial assistant in Continuing Education on Feb. 1. He had been with Penn State since 1968.

Staff development

Fourteen University employees recently completed a course in Basic Supervisory Management. They are:

Patricia Balash, dining hall supervisor, Housing and Food Services; Lori Benacert, operations supervisor, IRP; Dean Brungart, senior clerk, lending services, Libraries; Edward Faust, supervisor, cinematography/videography & affiliate instructor, Continuing Education; Bruce Hesley, supervisor, admissions operations, Undergraduate Admissions; Orla Hopkins, senior clerk, lending services, Libraries.

Deborah Lehrer, editorial assistant, Continuing Education; Nina McNeal, secretary B, Earth & Mineral Sciences; Gabriel Michels, lead applications programmer/analyst, Planning & Budget; Glenn Mulberger, assistant housekeeping supervisor, Housing & Food Services; Margaret Nastase, budget operations

analyst, Planning & Budget; Thomas Rodkey, scheduler-planner, service desk, Physical Plant; Stanley Scanlon, broadcast programming specialist, Continuing Education; Joan Woodring, assistant housekeeping supervisor, Housing and Food Services.

Twenty-three employees of the University have completed the course in Report Writing-Preparation and Organization, coordinated through the Office of Personnel Administration. They are:

Seward Bieling, engineer, n/e project analysis, Physical Plant; Charles Bolan, assistant director, Student Administrative Services; Helen Brown, associate librarian, Libraries; Dorothy Carolus, associate housekeeping supervisor, Housing & Food Services; Tony Ciccarelli, foreman, electronic services, Physical Plant; Sue Dahms, budget planning analyst, Planning & Budget.

Sandra Eriksson, senior analyst, Personnel Administration; Lorenda Fambro, editorial assistant-trainee, Continuing Education; Hugh Fry, senior applications programmer/analyst, Planning & Budget; Ron Fuller, assistant pupil transportation specialist, Continuing Education; Robert Grenoble, architect, structural/architectural project analysis, Physical Plant; Nancy Hensal, benefits specialist, Personnel Administration.

Oscar Jones, resident assistant housekeeping supervisor, Housing & Food Services; Joyce Keenan, assistant director of operations, Student Aid; Shirley Leitch, office manager, Business Services; Greg Ritchey, senior engineering systems analyst, Management Engineering; Steve Schroeder, assistant manager of operations for procedures & training, IRP; Leslie Shaw, coordinator-inspector, Physical Plant.

Margaret Shaw, housekeeping supervisor, Housing & Food Services; Joan Schumacher, assistant director, student employment programs, Student Administrative Services; Mike Werner, budget planning analyst, Planning & Budget; Florence Wike, assistant housekeeping supervisor, Housing & Food Services; P. Thomas Wondring, assistant foreman, electronic services, Physical Plant.

Obituary

Richard A. Ogden, a refrigeration and maintenance mechanic for the College of Agriculture when he retired in 1978, died March 15 at the age of 69. He had joined the University in 1964.

Faculty candidates sought for directorship of Office for Protection of Human Subjects

The Office of the Vice President for Research and Graduate Studies is seeking faculty candidates for the position of Director of the Office for Protection of Human Subjects. The position is for half-time for 12 months on a rotating basis, with a minimum of a one-year appointment to a maximum of three years, subject to negotiations with the candidate.

The Director is responsible to the Vice President for Research and Graduate Studies for developing, recommending and implementing policy and procedures for the protection of human subjects. The Director must maintain close contacts with DHHS officials and follow the development of new regulations. The Director is responsible for reviewing the University's policies and procedures for adherence to new laws and regulations as they are adopted and is charged with the responsibility for maintaining contact with officials at other universities to learn how these institutions are handling this responsibility and if more effective methods might be incorporated into the University's procedures.

Other duties include overseeing the

administration and orderly functioning of the biomedical and the behavioral and social sciences review committees and providing adequate administrative support to the committees for carrying out their functions.

The Director will review all protocols for conformity to campus policy, procedures and committee requirements; provide advice and assistance to investigators and graduate students contemplating the use of human subjects; provide information to committee co-chairmen and committee members from DHHS and other federal agencies; and furnish logistic support for committee meetings including scheduling, notification to members, agenda, and minutes.

The Director will attend all monthly biomedical committee meetings and meetings of the behavioral and social sciences committee as scheduled.

Nominations with a resume should be sent to Dr. Richard G. Cunningham, Room 207 Old Main, University Park, by May 8.

Faculty/Staff Alerts

Editor's note: The University issues a number of notices each year affecting personnel matters, benefits and the payroll of ALL campuses. To ensure that this important information is readily available, it will appear henceforth under the above INTERCOM heading.

Saturday holidays

July 4 falls on a Saturday this year. The University officially will recognize that day as the Independence Day holiday, and University holiday policies will be applicable to the Saturday holiday.

Employees are reminded, however, that if a University holiday falls on an employee's regularly scheduled day off, the employee is granted another day off with pay as the holiday. That day can be scheduled at another time in accordance with applicable policy.

Staff Vacancies

The following vacancies for positions classified as staff exempt from civil service have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387, or by mail to 275-1387. Applications for these staff vacancies will be accepted until 5 p.m. April 2, 1981. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap as provided by law, sex, or status as a disabled or Vietnam era veteran.

APPLICATIONS PROGRAMMER/ANALYST, MANAGEMENT SERVICES, University Park. Responsible for the analysis, design, and programming required in the development and modification of computer programs. The individual will conduct interviews with system users, perform feasibility studies; and investigate alternative models of data handling in gathering necessary data to support system design recommendations for systems modification or to support the Project Leader's design efforts in system development. Bachelor's degree or equivalent in basic computer systems, and one to two years of effective experience in computer programming and analysis. Strong experience in COBOL, IMS and IMS/DC is desired.

Funding Sources

For further information, call 865-1372

[J36-1] NSF's Industrial Research Participation Program will provide opportunities for undergraduate science and engineering faculty members to participate in ongoing research activities at industrial, R & D, or government facilities during the summer of 1981. A directory of laboratories, including a brief description of the projects available and the name of the project director to whom application should be made, will be available in late March. The directory (SE 81-284/D) may be requested by contacting the Faculty Oriented Program, Division of Scientific Personnel Improvement (202-282-7795). (Ref: NSF Bulletin, March 1981)

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University Park Calendar

March 26- April 5

Special Events

Thursday, March 26

Board of Trustees meeting, The Milton S. Hershey Medical Center.
Sports: tennis (men) vs. Brown Univ., 10 a.m.
Anthropology lecture, 8 p.m., Room 101
Chambers, Louis Dupree, anthropology adjunct, on "The First Russian Afghan War: Reflections on the Cultural Components"
History of Photography lecture, 8 p.m., Room 101 Kern. Kathleen Fuller, grad. asst., on "Photography and Politics."
Student Dietetic Assn. lecture, 8 p.m., Room 121 Sparks. Victor Herbert on "Common Myths in Nutrition."
URTC, *The Cherry Orchard*, 8 p.m., The Pavilion Theatre.

Friday, March 27

Board of Trustees meeting, The Milton S. Hershey Medical Center.
History of Photography lecture, 2 p.m., Room 101 Kern. John Collier, San Francisco State College and Art Institute, on "Photography and the New Deal."
Music in Interesting Times, 2:30 p.m., Music Building Reich Hall. Barbara Riemschneider, Pa. folk musician, on "Women in Music."
Sports: volleyball (men) vs. Army, 7 p.m.
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.
URTC, *The Cherry Orchard*, 8 p.m., The Pavilion Theatre.
Contemporary Dance Company, 8:30 p.m., Eisenhower Auditorium.
Mary Beth Ions, violin recital, 8:30 p.m., Music Bldg. Reich Hall.

Saturday, March 28

Sports: fencing (women) vs. Temple, Cornell, Indiana (Pa.) and William Peterson, 9 a.m.; baseball vs. Navy (DH), 1 p.m.; lacrosse (women) vs. James Madison, 3 p.m.; volleyball (men) vs. Rutgers/Newark, 7 p.m.
Contemporary Dance Company, 2:30 and 8:30 p.m., Eisenhower Auditorium.
URTC, *The Cherry Orchard*, 8 p.m., The Pavilion Theatre.
Artists Series, McCarter Theatre Company in *Moby Dick Rehearsed*, 8:30 p.m., Schwab Bldg. Reich Hall.
Penn State Percussion Ensemble, 8:30 p.m., Music Bldg. Reich Hall.

Sunday, March 29

University Chapel Service, 11 a.m., Eisenhower Chapel. The Rev. John J. Wenzke, PSU Lutheran Student Parish, speaker.

Monday, March 30

Pass/Fail.
French/Linguistics lecture, 7:30 p.m., Room 101 Kern. André René Descartes, Paris, on "Linguistic Dynamics and Diachrony."
German Dept./IAHS lecture, 8 p.m., Room 124 Sparks. Walther Dierker, Free Univ. and Academy of Arts, Berlin, on "Die goldenen Zwanziger Jahre."
Thomas Spacht, organ recital, 8:30 p.m., Music Bldg. Reich Hall.

Tuesday, March 31

Pass/Fail.
Gallery Talk, 10:30 a.m., Museum of Art. Donald Gordon, fine arts, Univ. of Pittsburgh, on "Egon Schiele and Expressionism."
Comp. Lit. Luncheon, 12:15 p.m., Room 204 HUB. Damir Kalogiera, Univ. of Zagreb, on "American Literary Influences in Yugoslavism."
URTC, *The Cherry Orchard*, 8 p.m., The Pavilion Theatre.

Wednesday, April 1

Pass/Fail.
Drop deadline.
Course repeat deadline.
Prerequisite deadline for Summer Term 1981.
Commons concert, Jerry Zoltan, noon, Kern Lobby.
London Bus tour begin, 1:30 and 2:30 p.m., HUB Main Entrance.
Music in Interesting Times, 2:20 p.m., Music Building Reich Hall. Jack Samuels, Temple Univ., on "Music, Sociology and Business."
Robson Center Film Series, Paul Robeson in *Emperor Jones*, 7:30 p.m., Walnut 81dg.
URTC/Kern Theatre, *Jacques Brel Is Alive and*



A scene from the McCarter Theatre Company's production of "Moby Dick Rehearsed."

Princeton group to play in Schwab

The obsessive quest of Captain Ahab and the crew of the *Pequod* for the great white whale is the inspiration for the McCarter Theatre Company's production of Orson Welles' *Moby Dick Rehearsed*. The play will be performed on Saturday, March 28, at 8:30 p.m. in Schwab Auditorium.

Welles' adaptation of Herman Melville's classic novel uses the device of the play within a play. As a group of Shakespearean actors read through the script, the rigging and furnishings of the stage gradually become the yards and longboats of this, the most famous of all whaling vessels, creating a genuine voyage of the imagination into the dramatic world of *Moby Dick*.

The McCarter Theatre, under the artistic direction of Nagel Jackson, is a

professional company based in Princeton, N.J., and is recognized as one of America's foremost regional theatres. This is its third season of touring throughout a five state region, which includes New Jersey, New York, Pennsylvania, Maryland, and Delaware.

Moby Dick Rehearsed is directed by William Woodman, a former artistic director of Chicago's Goodman Theatre. Last year, the production opened to national acclaim in Denver, where it helped to inaugurate one of two new theatre centers.

Tickets are now on sale at the Eisenhower Box Office and the HUB Booth, weekdays from 9 a.m. to 4 p.m. Phone orders to MasterCard/Visa are accepted at 863-0255 during hours of sale.

Well and Living in Paris, student preview, 8 p.m., Room 112 Kern.

URTC, *The Cherry Orchard*, 8 p.m., The Pavilion Theatre.

Thursday, April 2

Campus Colleagues, brown bag lunch, noon, Room 225 HUB. William W. Asbury, affirmative action, and Jane McCormick, student affairs, on "Penn State's Guidelines on Sexual Harassment."

Sports: softball (women) vs. East Stroudsburg (DH), 2 p.m.

Football office lecture, 7 p.m., Keller Auditorium. Ellington Darden, Athletic Center of Atlanta, on "General Conditioning and Strength Training."

URTC/Kern Theatre, *Jacques Brel Is Alive and Well and Living in Paris*, 8 p.m., Room 112 Kern.

URTC, *The Cherry Orchard*, 8 p.m., The Pavilion Theatre.

Black Arts Festival, 8 p.m., Ray Memorial Lounge. HUB K. Leroy Irby, minority leader, Pa. House, on "Black Perspectives for the '80s in the Political Arena."

Friday, April 3

Geography Dept. Coffee Hour, 3:45 p.m., Room 310 Walker. Paul Simkins, geography, on "The Prospects for Curbing Population Growth in Latin America."

Sports: tennis (women) vs. James Madison, 6 p.m.

URTC/Kern Theatre, *Jacques Brel Is Alive and Well and Living in Paris*, 8 p.m., Room 112 Kern. Dessert following performance. Room 102 Kern.

URTC, *The Cherry Orchard*, 8 p.m., The Pavilion Theatre.

Artists Series, Gewandhaus Orchestra of Leipzig, 8:30 p.m., Eisenhower Auditorium.

Saturday, April 4

Penn State Alumni Association, Alumnae Day, 9 a.m.-4:30 p.m., Keller 81dg.

Sports: softball (women) vs. Temple (DH), 1 p.m.; tennis (women) vs. Rutgers, 8 p.m.

URTC/Kern Theatre, *Jacques Brel Is Alive and Well and Living in Paris*, 8 p.m., Room 112 Kern. Dessert following performance. Room 102 Kern.

URTC, *The Cherry Orchard*, 8 p.m., The Pavilion Theatre.

Penn State Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sunday, April 5

Sports: tennis (women) vs. Bucknell, 9 a.m.
France-Cinema, Bergman, *The Virgin Spring*, 7 and 9 p.m., Room 112 Chambers.
URTC/Kern Theatre, *Jacques Brel Is Alive and Well and Living in Paris*, 8 p.m., Room 112 Kern.

Seminars

Thursday, March 26

Acoustics, Hideo Suzuki, grad. asst., ARL, on "Radiation and Diffraction Effects from Convex and Concave Domes in an Infinite Baffle," 4 p.m., Room 333 Willard (new listing).

Bioengineering/Electrical Engineering, David Cunningham, Herby, on "Microwave-Induced Hyperthermia for the Treatment of Cancer," 4 p.m., Room 329 EE East (new listing).

Statistics, Ray Carroll, Univ. of North Carolina, on "Estimation in Heteroscedastic Models," 4 p.m., Room 167 Willard (new listing).

Friday, March 27

Analytical Chemistry, Gary Simmons, Lehigh Univ., on "Electron Spectroscopic Studies of the Reaction of Corrosive Gases (O₂, H₂S and H₂) with Metal and Alloy Surfaces," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Michael Kurlyo, National Bureau of Standards, on "HO₂ Reactions of Importance to Stratospheric Chemistry," 2:30 p.m., Room 333 Whitmore.

Monday, March 30

MC38, Robert Goldman, Carnegie Mellon

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Univ., on "Structure and Function of Cytoskeletal Elements," 4 p.m., Room 101 Althouse.

Tuesday, March 31

Organic/Inorganic Chemistry, R. Matthews, Univ. of Michigan, on "Mechanism of Action of Methylene Reductase and Its Importance in Biological Methylations," 12:45 p.m., Room 333 Whitmore.

Environmental Pollution Control, Kenneth Komorski, PPG Industries, on "Field Experiences Involving 20 Hazardous Waste Sites in the U.S.," 2:20 p.m., Room 128 Sackett.

Chemical Engineering, S.V. Babu, Clarkson College of Technology, on "Thermodynamic Perturbation Theory: Properties of CO₂ and Its Mixtures," 3:45 p.m., Room 140 Fenske.
Geosciences, Randolph J. Martin, geosciences, on "Piezomagnetism in Rocks," 3:45 p.m., Room 112 Walker.

Biology, Bernie May, plant pathology, on "Genetic Variations and Selective Breeding of the Common Edible Mushroom, *Agaricus bisporus*," 3:55 p.m., Room 8 Mueller.

Plant Pathology, Judy Pawloski, grad. student, on "On the Road to Timbuktu: Coffee Rust in the Third World," 3:55 p.m., Room 213 Buckhout.

Thursday, April 2

Ceramic Science and Engineering, Charles D. Greskovich, corporate research and development, General Electric Co., on "Polycrystalline Optical Ceramics," 11 a.m., Room 301 Steidle.

Agronomy, Michael Amacher, grad. student, on "Chromium in Pennsylvania and Plutonium and Americium in Nevada. Similarities and Differences," 3:55 p.m., Room 111 Tyson.

Physics, L. Wolfenstein, Carnegie Mellon Univ., on "Does the Neutrino Have a Mass—and If So, What?" 3:55 p.m., Room 445 Davey.

Plant Pathology, Gustafson, Univ. of Wisconsin, on "Early Events in Plant Infection," 3:55 p.m., Room 213 Buckhout.

Acoustics, Mark S. Lang, research assoc., ARL, on "An Experimental Analysis of the Basic Phenomena Involved in Modern Diffraction Theories," 4 p.m., Room 373 Willard.

Fuel Science, D.R. Frankl, physics, on "Study of Crystal Surfaces by Atomic Beam Scattering," 4 p.m., Room 301 Steidle.

Friday, April 3

Analytical Chemistry, Robert Delevie, Georgetown Univ., speaker, 11 a.m., Room 333 Whitmore.

Physical Chemistry, William Jorgensen, Purdue Univ., on "Theoretical Studies of Organic Chemistry in Solution," 2:30 p.m., Room 333 Whitmore.

Exhibits

Chambers Galleries: Edward Betenas, sculpture, and Frank Chetelat, mixed media.

HUB Galleries: Art Alliance Member Exhibit, through March 31. Third Annual Slave Folk Festival Exhibit, opens April 1, Art Alley. Kathy Ragusa, drawings, through March 31. Jim Weigle, landscapes of handmade paper, opens April 1. Browning Gallery, "Between Art and Industry—The Deutscher Werkbund," through April 3. Benny Andrews, paintings, opens April 4, The Gallery.

Kern Gallery: Lauren Abrams, feathered masks; Kathy Terrell, drawings; Renees Liberman, silk screen prints, through March 27. John Seitz, glass work, Mary Weidner, drawings, open March 30. PSU Art Department Juried Photography Exhibit, opens April 1.

Museum of Art: European works from the Museum's collection, through March 29. Recent acquisitions to the Museum's collection. Selected works from the collections of Mimi and Sanford Feld and Samuel Gallu. Selections from the Museum's American collection, opens March 29.

Pattie Leary: Rome Hanks, landscape photographs, East Corridor Gallery. John Wilson, photographs, through April 2. Paul Flexner, drawings, open March 2. Lending Services Lobby, Andrew Pleak and Thomas Hubben, ceramics and ceramic sculpture, Main Lobby "Photography and Humor," arranged by G. and L. Greenhill and B. and H. Henisch. Rare Books Room: Mi Park, paintings, West Pattie Lobby.

Visual Arts Zoller Gallery: Visiting Artist Exhibition, opens March 29.

Editor's Note: The following address, delivered by Proust Eddy at the March 8 Commencement, is being printed at the suggestion of several faculty members who were present and thought it should be made available to the entire academic community.

This is a highly significant day not only for each of you but for your university as well. In the same ceremony, we are honoring you and four of our faculty who have been singled out to receive the first University medals for extraordinary scholarly and creative achievement. What do you share in common on this Sunday afternoon in 1981? Those of you receiving degrees are on the threshold of achievement; the four faculty members are in mid-passage — neither at the beginning nor certainly the conclusion. Today is a major milestone for all of you.

The other day I received an anonymous letter from "a graduating senior." He or she asked, rather plaintively, if we'd say a few words this afternoon about "why our college years are worth the effort." The writer added, "Sometimes I feel that they aren't, but deep down I know that isn't true." I wonder if the clue to the value of your education doesn't appear directly before you on this platform today. These four faculty members are especially distinguished — but they are also especially typical. They represent the highest interests of The Pennsylvania State University and its world of learning — the unique combination in one individual of great teaching and distinguished research, of the creative spark that burns brightly in the laboratory, the study, on the ocean floor, in the operating room — wherever men and women seek to expand knowledge and transmit it.

The world is a much better place — safer, more comfortable, healthier, more enlightened, and with far less tragedy and suffering — because the university which gave you your education also sponsors the best efforts of the best scholars. A recent study has shown that university scientists were responsible for more than 70 percent of the significant advances of the last 20 years in such fields as physics, chemistry, astronomy, and the earth sciences.

Hopefully, each of us on the faculty of Penn State is a special blend of imagination, knowledge and enthusiasm. And, hopefully, each of you emerges today from Penn State with a heightened sense of

Something to be remembered

imagination, knowledge and enthusiasm. It's that drive which makes the educational experience worth the effort. The English essayist, William Hazlitt, observed that "man is the only animal that laughs and weeps, for he is the only animal that is struck by the difference between what things are and what they ought to be."

The expectation of strong teaching and excellence in research from the same person is not always a cause of joy in the hearts of college students. The complaint is often heard that one is neglected in favor of the other. The suggestion is put forward frequently that we should have two faculties: one to teach, and the other to engage in scholarly research. And each generation of students reinvents the catch phrase "Publish or perish" as the source of all academic malfunction. Many of us just don't recognize the genuine necessity — indeed, the crucial necessity — of research to good teaching. To the true scholar — and not the mere transmitter of trivia — scholarly research keeps teaching from shrinking into ridiculous redundancy.

One popular misconception regarding research and teaching is that ENOUGH IS ENOUGH to teach well. Learn a little — just enough — then stop and transmit it for the rest of your life. Enough, happily, is never enough. The search for new knowledge and understanding is the teacher's best guarantee of creativity in the classroom. Students are constantly seeking new experiences as a form of growth and renewal. Why should they deny the teacher that same growth and renewal? Thus teacher, like student, has an obligation to stay fresh, to keep an open, inquiring mind — and never to agree that enough is enough.

H. G. Wells wrote of his mother that "she went to finishing school and was finished. The ideas she gained there coiled around in her head like little marbles for the rest of her life." Penn State has no interest in being a finishing school. It is a beginning, not an end. It is the beginning of the individuality of each one of you.

Education doesn't grind to a screeching stop the moment you pick up your diploma. To stay alive, the intellect must expand continually. Can you imagine what

it would be like to study under someone who had stopped thinking at the age of 24 or 26, who earned his Ph.D. and taught his thesis topic for the rest of his life? Enough is NOT enough. What kind of person is a teacher who never reads a book, develops an idea, listens to a different kind of music?

A second, commonly held misconception is that serenity is a sure sign of genius. We like to depict the most learned gentlemen of our time as the tweedy types — pipe smoking, slow moving and speaking, the thoughtful scholar who welcomes any chance to occupy a comfortable chair and reminisce by the hour — or day — or year. Nonsense! Every great scholar I have known is almost impossible to find and nowhere to be seen because he or she is moving too fast and has an enormous agenda of tantalizing, solution-defying projects.

Those who sit puffing on their pipes and gazing into sunsets are, in fact, doing exactly that and little more — puffing and gazing. After a bit, both the smoke and the gaze are stultifying. The creative person is a restless soul, engaged often in frustrating and frequently lonely endeavor. On a surprising number of occasions, he must summon the courage to admit that he is wrong and to start all over again. As Gertrude Stein observed, "When you get there, there is no there there."

And the third and final misconception about scholarship is that truth is absolute. One needs only to find it and codify it. One of the perplexing, intriguing, maddening aspects of research and teaching is that truth won't stay put. A traditional Vermont story has the city slicker posing the question to the Vermont farmer: "What do you know today — for sure?" And, without hesitation, the Vermont replies: "Not a damn thing." In a recent Harper's article, the editor of the *American Scholar* observed that "the unpredictability of the outcome of dreams is no reason to cease dreaming."

Currently our society seems to be entering a period of craving for absolutes. We want easy answers readily dispensed. Easy answers depend upon sweeping generalizations. Right now we seem to be in love with the sweeping generalization: "Education has no value;" "Americans

have no morals;" "Nothing can be solved at the national level which can't be handled better in the neighborhood."

In the academic world, the danger of teaching without research is that the teacher falls back on the easy generalization to justify the unknown. The research-trained teacher knows instinctively that a generalization today is without substance tomorrow.

Lewis Thomas, the brilliant scholar-chancellor of the Sloan-Kettering Cancer Center, has written a beautiful essay "On the Uncertainty of Science." He observes: "Human knowledge doesn't stay put, it evolves by what we call trial and error, or, as is more usually the sequence, error and trial. Other animals differ from us in this respect. Each of them has at least one thing to be very good at, even superlatively skilled, surefooted. Any beetle can live a flawless, impeccable life, infallible in the business of procreating beetles. Not us: we are not necessarily good at anything in particular except learning, and using this we tend to get things wrong. It is built into our genes to veer off from the point: somehow we have been selected in evolution for our gift of ambiguity."

The true scholar-teacher is restive, not rested. He and she are constantly challenged and defeated and challenged again by ambiguity.

I asked at the outset what you shared with these men of accomplishment? Why are your college years worth the effort? Hopefully and simply because you have learned from your mentors these lessons of life: (1) Enough is never enough. Knowledge is endless, and the simple life is not worth human living. (2) Hard work, mistakes, failures, and occasional recognition lie ahead for anyone who seeks to add to human intelligence or merely to preserve the present quality of human life. (3) Don't ask for certainty. Whatever your age and condition, be ready to venture and to make choices without guarantees. In sum, we wish you the same driven, unsatisfied life these men have relished, a life in which you will never have all the answers but in which you will always have a purpose.

Listen carefully to the words of Daniel Webster: "Let us develop the resources of our land, call forth its powers, build up its institutions, promote its interests, and see whether we also, in our day and generation, may not perform something worthy to be remembered."

Byzantium

(Continued from page 1)

century copy of an 11th-century work. Such "fakes" are no less interesting than the "originals." Indeed, they tell us even more about the society that created them.

One must be extremely careful about dating works of art on grounds of style alone. Generally we search for objective, often extraneous grounds for making such decisions. Thus, to study only the illuminations in a Psalter is to miss names, inscriptions and other "messages" hidden in a page of text that can get overlooked in the art historian's rush to look at the splendid pictures. Only when a medieval book is considered as a whole, and compared in detail to all other known examples of its type, is one equipped to make a judgement concerning its age.

Therein lies a problem since only a small fraction of medieval picture books have been published in full. To make useful judgements about a Byzantine Psalter of the so-called Aristocratic type that I discovered in New York, I had to examine every other extant example. This was easier said than done. For no one knew how many examples of this type were preserved, let alone their dates or place of origin. With the backing of Penn State's Institute for the Arts and Humanistic Studies, I travelled from Cairo via Istanbul and Athens to Leningrad and Moscow, as well as to American libraries, examining Psalters that were known to exist but which had never been studied. The result is a corpus of manuscripts that I discovered in Paris in 1982. We now know

at least three things: first, how many such books exist (57); their chronological range (10th to 15th century); and, finally, that this is the largest single cluster of Byzantine manuscripts to survive. Fifty-seven books in 500 years may seem a very small sample to statisticians. To the historian of medieval art its richness beyond compare. And each one, in its own peculiar way, tells us something of the aspirations and fears, the quality of life and a host of quantitative facts (e.g. the relative cost of a leaf of parchment) about the age that created it. In this way, Byzantine art is much more than a set of pretty pictures. It provides insight into a culture that, save on the fringes of south-eastern Europe and in the Slavic world, has all but disappeared. We now begin to understand why in its own day — a day that lasted more than a thousand years! — it was celebrated from Anglo-Saxon England to T'ang China as the greatest civilization that the world had ever seen. A general picture of Byzantine civilization is emerging, but to be accurate it has to be examined piece by piece, page by single page.

Choirs

(Continued from page 1)

sounds; the third, a real scherzo movement; light and fleet footed, nimble and playful; the fourth movement is the message — the transience of beauty and memory."

No tickets are required for the April 11 performance in Schwab.

Peter Quince at the Clavier

I
Just as my fingers on these keys
Make music, so the selfsame sounds
On my spirit make a music, too.

Music is feeling, then, not sound;
And thus it is that what I feel,
Here in this room, desiring you,

Thinking of your blue-shadowed silk
Is music. It is like the strain
Waked in the elders by Susanna.

Of a green evening, clear and warm,
She bathed in her still garden, while
The red-eyed elders watching, felt
The bases of their beings throbb
In wincing chords, and their thin blood
Pulse pizzicati of Hosanna.

II
In the green water, clear and warm,
Susanna lay
She searched
The touch of springs,
And found
Concealed imaginings.
She sighed,
For so much melody

Upon the bank, she stood
In the cool
Of spent emotions
She felt, among the lavas,
The dew
Of old devotions
She walked upon the grass,
Still autumning
The winds were like her maids,
On timid feet,

Fetching her wooden scarves,
Yet warring,

A breath upon her hand
Muted the night
She turned —
A cymbal crashed,
And roaring horns.

III
Soon, with a noise like tambourines,
Came her attendant Byzantines.

They wondered why Susanna cried
Against the elders by her side;

And as they whispered, the refrain
Was like a willow swept by rain.

Ah, their lamps' uplifted flame
Revealed Susanna and her shame.

IV
And then, the simpering Byzantines
Fled, with a noise like tambourines

Beauty is momentary in the mind —
The fitful tracing of a portal;
But in the flesh it is immortal.

The body dies; the body's beauty lives
So evenings die, in their green going,
A wave, interminably flowing.
So gardens die, their neck breath scenting
The cool of winter, done repenting.
So maidens die, to the aural
Celebration of a maiden's choral.
Susanna's music touched the bawdy strings
Of those white elders; but, escaping,
Left only Death's ironic scapting.
Now, in its immortality, it plays
On the clear viol of her memory,
And makes a constant sacrament of praise.

News in Brief

(Continued from page 1)

visiting professor of sociology at Harvard. In addition, numerous kibbutz members will take part, as will College of Human Development faculty members, who are to serve as discussion leaders.

The conference is intended for social scientists, educators, community planners and managers, economists, philosophers and other persons interested in democratic equality. Topics will include the ideology of kibbutz life, the labor value of the system, education as a life-long process, and democracy and self-management in the community.

Further information is available from Lawrence S. Cote, Radnor's assistant director, at 215-293-9870.

French linguist to speak

Professor Andre Martinet of the University of Paris will present a lecture on "Linguistic Dynamics and Diachrony" on Monday, March 30, at 7:30 p.m. in Room 101 Kern Building. The lecture is sponsored by the Department of French and the Linguistics Program.

A linguist of international reputation, Professor Martinet is the author of many books in both French and English, including *Economie des changements phonétiques*. He has been a faculty member at a number of institutions, including Columbia University, where he served as chairman of the Department of Linguistics.

Families needed to host foreign students

The Friendship Family Program of the Community International Hospitality Council is once again requesting individuals and families interested in international understanding to befriend foreign students at University Park.

More than 100 students — from Europe, the Middle East, Asia, Africa and South America — have expressed a desire to experience American family and community life. Persons interested in participating in the program or wishing to receive more information should call the International Office of Student Affairs, 865-6348, or Mary Goodwin, 238-3868.

Heat turn-off dates set

Heat systems in University Park classrooms and administration buildings are scheduled to go off around May 4, the Executive Energy Conservation Committee has announced.

In residence halls, heat will be turned off about May 11. Heating systems in research facilities will be turned off approximately May 18, and heat in the Ritenour Health Center around May 26.

Minor adjustments of these dates may occur if short range weather forecasts indicate the need," says Ralph E. Zilly, vice president for business and chairman of the committee.

An energy bulletin will be issued by the committee to keep appropriate University officials informed, Mr. Zilly adds.

Elms to be sprayed

American Elm trees at University Park will be sprayed sometime between April 1 and April 20, depending on weather conditions.

Spraying, which will continue for about three days, is to control Dutch Elm Disease. All spray materials have been approved by the Pesticides Committee of the College of Agriculture.

Any of the spray material settling on cars should be washed as soon as possible with soap and water.



"Artist with Model" by Augusto Perez is part of Gallu collection.

Museum showing two collections

Two private art collections molded by the contrasting tastes of discriminating collectors — husbands and wives in both cases — are currently on display at the Museum of Art. Selected works from the Mimi and Sanford Feld Collection and from the Samuel Gallu Collection will be shown there through May 24.

"When a private collection is publicly revealed, a unique experience unfolds for the viewer accustomed to institutional collections," the catalog for the Feld Collection points out. "Here is a group of pictures formed, not over scores of years by the tastes of a changing museum staff, but by persons for whom the company of beautiful objects has become a way of life."

Mimi and Sanford Feld, lifelong collectors of a variety of objets d'art, purchased their first painting in 1970. Today they own a distinguished group of English and American paintings, drawings, and watercolors, dating from the early 19th through the early 20th century. Most of the works have been widely exhibited individually, but this is the first time they have been shown as a group. Fifty paintings are on view in the current show.

Among the artists displayed are several members of the Hudson River School, including Jasper Cropsey and Sanford Gifford. The so-called Ashcan School — a

group of urban realist painters — is represented by William Glackens, George Luks, and Robert Henri. Works of Winslow Homer, Maurice Prendergast, J. M. W. Turner, and John Singer Sargent, are also included.

"Lyrical, charming, meditative — that's how I'd describe this exhibit," says Richard Porter, the Museum registrar. He characterizes the Gallu collection, conversely, as "forceful, aggressive, unconventional." Samuel Gallu, a noted playwright and Distinguished Alumnus of the University, and his late wife Harriet assembled over 30 years a distinctive and personalized collection of painting and sculpture.

"Allowing people to look at these pictures," Mr. Gallu says, "is like letting them read my love letters."

The Gallus followed their own tastes in art, rather than simply patronizing artists who were famous or fashionable. In Europe, following World War II, they purchased drawings by Austrian and German Expressionists who were then virtually unknown. Today the works of painters such as George Grosz, Ernst Kirschner and Egon Schiele are most sought after; all of these artists are represented in this exhibit. Approximately 30 pieces from the Gallu collection are gathered at the Museum.

Dance group is presenting 10 new works

The Contemporary Dance Company, now in its eighth year and under the direction of Paula Donahoe and Patricia Heigel-Tanner, will present its annual concert at Eisenhower Auditorium on Friday, March 27, at 8:30 p.m. and on Saturday, March 28, at 2:30 and 8:30 p.m.

Guest choreographers Betsy Hamilton and Kathy S. Stuart join the directors in presenting 10 new works.

Ms. Hamilton, an instructor in the Department of Theatre and Film, has choreographed two dances, "Corridors of Time" and "Taking Flight." She received her undergraduate degree in theatre/dance from the University of Texas and her graduate degree from the Mary Wigman School in West Berlin.

Kathy Short Stuart, a member of The Contemporary Dance Company, has also choreographed two pieces, "Sweat Suite" and "A Journey." A Penn State alumna, she has had additional dance training at the University of Utah and in a number of master classes.

Three works on the program were

choreographed by Paula Donahoe, an assistant professor of dance. They are: "Celebration: Rings Squared Off," "Dominoes" and "May I Have This Dance." Her choreography is based on music by Gustav Mahler, Erik Satie, Claude Debussy, Gabriel Faure and George Gershwin.

Rounding out the concerts are three works choreographed by Patricia Heigel-Tanner, also an assistant professor of dance. "Concerto for Violin, Lute and Figured Bass" employs music by Antonio Vivaldi. "That's It!" is set to a piece by Charles Ives.

Professor Heigel-Tanner's third piece, "Dinosaur's Dance," will be presented at the Saturday matinee. The music was composed by Bruce Trinkle, associate professor in the School of Music.

General admission for the evening performance is \$3, and for Saturday's matinee, \$2. Tickets are on sale at the Eisenhower Auditorium box office between 9 a.m. and 4 p.m. weekdays and will also be available at the door.

Football season ticket applications available

The Football Ticket Office mailed invoices the week of March 16 to members of the faculty and staff who held season tickets last year.

Applications are now available for full-time faculty and staff members wishing to request tickets for the first time. The cost of a season ticket is \$66, and no more than two tickets can be ordered at this special faculty/staff rate.

Assuming that all prior purchasers renew their tickets, new faculty/staff season ticket holders will be assigned to the North End Zone area.

The ticket office expects season tickets to be available until July 3. After that date, single game tickets will go on sale, and season tickets may not be available because of sold out games.

Persons wishing applications or additional information can contact the Penn State Ticket Office, Room 237 Recreation Building, University Park, (814) 865-7567.

The office is open weekdays from 8:30 a.m. to 4:30 p.m., and service is available over the lunch hour. Saturday hours are 8:15 to 11:45 a.m.

"Brel" revue at Kern

Jacques Brel Is Alive and Well and Living in Paris, a musical revue set in the mid-1960s, will be presented by the Department of Theatre and Film and the Kern UnCommon Theatre April 1-5.

Scheduled each date for 8 p.m. in the Kern Graduate Building, the show will feature popular tunes such as "Sons Of," "Old Folks" and "If We Only Have Love."

Tickets, priced at \$2 for students and \$3 for non-students, are on sale at the Kern Information Desk (telephone 865-1878).

Exhibit describing history of German society at HUB

"Between Art and Industry: The Deutscher Werkbund," an exhibition chronicling the history, work and philosophy of the German architects' society, will be on display in the University's HUB Gallery through April 3.

Founded in 1907, the Deutscher Werkbund was a group of artists, industrialists, architects, artisans and businessmen who believed man's future would be secure if laborers were able to take part in the creative work of society.

The Werkbund was dissolved by the Nazis in 1934. When the society regrouped in 1947, rapidly developing technology and its effects on the quality of human life were among its main concerns.

Festival speaker

(Continued from page 1)

age of 19, he began teaching in Baltimore.

After various careers as a steel chopper, public relations director, radio news writer and commentator and toy manufacturer, Mr. Irvs entered the University of Pittsburgh Law School, where he earned a Juris Doctorate.

After graduation, Mr. Irvs was appointed Allegheny County's first assistant district attorney. He was elected to the House in 1958, and has served 10 consecutive terms there.

In May 1977 he was elected speaker — the highest elected position ever held by a black in the State.

Mr. Irvs has sponsored more than 1,500 pieces of legislation, including the bill creating the Pennsylvania Human Relations Commission and the Pennsylvania Higher Education Equal Opportunity Program.

He also helped create the Pennsylvania Higher Education Assistance Agency, the community college system and the Minority Business Development Authority.

Penn State Intercom

Human Development Dean named

Dr. Evan G. Pattishall Jr. has been named dean of the College of Human Development, effective immediately. Penn State's Trustees approved the appointment last Friday upon the recommendation of President Oswald and Provost Eddy.

Dean Pattishall had been interim dean of the College since September 1979.

"Evan Pattishall has done a magnificent job as interim dean," Dr. Oswald told the Trustees. "Beyond the excellence with which he has handled the operation and organization of the College of Human Development, he has, in a relatively short time, vastly improved its academic programs and the morale of faculty and administrators."

"Faculty support for this appointment was exceptionally strong."

Dean Pattishall, who reports directly to Provost Eddy, is responsible for a 3,400-student college with programs in Administration of Justice, Health Planning, Individual and Family Studies, Man-Environment Relations, Nursing and Nutrition.

Prior to assuming the post of interim dean, Dr. Pattishall served for 13 years on the faculty at Hershey. He came to the University in 1966 to form the Department of Behavioral Science. Approaching the subject as a basic biological science, the department, under his leadership, became a model for medical schools.

(Continued on page 3)



Evan G. Pattishall

Senate to vote on two reports

At its April 7 meeting, the University Faculty Senate will consider a legislative report on the composition of the University Promotion and Tenure Committee and reconsider recommendations for the training of graduate teaching assistants.

The Senate will convene at 2:10 p.m. in Room 112 Kern Building.

The remaining items on the docket are informational, with Athletic Director Joseph V. Paterno leading off with a report on the role of varsity athletics in the University.

Dr. M. Lee Ucraft, director of residential life programs, will report on a study tracing the personal and academic development of a group of Penn State students from their freshman year in 1976 through their graduation in 1980.

A report on the Basic Skills Program will be submitted by the Committee on Undergraduate Instruction, and the final report of the Capitol Campus Review Committee will be presented. Two tables from the Basic Skills report appear on page 6.

- The Committee on Committees and Rules has proposed several changes in the University Promotion and Tenure Committee. They are:
- (1) The number of committee members to be elected by the Senate is increased from six to seven.
 - (2) The number to be chosen by the President is increased from three to four and the limitation that these be "senior academic administrators" is removed.
 - (3) The requirement that a Lindback Award winner and an Evan Pugh Professor be chosen by lot for membership on the Committee is deleted.
 - (4) Eligibility for membership on the Committee is made identical for both elected and appointed candidates.
 - (5) Continuous membership on the Committee is limited to two two-year terms for appointed and elected members.

The report on teaching assistants is making its third appearance before the Senate; it was returned to committee last month for a cost estimate of its proposals to ensure the quality of instruction offered by TAs.

The Committee on Academic and Physical Planning estimates that over a five year period (1981-86), the University would spend a total of \$34,000 to provide listening/speaking courses to TAs for whom English is a second language and \$46,200 to offer a seminar for all TAs.

A third section in the legislation, which occasioned some debate at the March Senate meeting, proposes that new students be informed during freshman orientation that certain of their courses may be taught by graduate assistants.

The Senate will receive a report from the Capitol Campus Review Committee. This report was submitted to Senate Council on March 24. In general, Council was satisfied that the delegation of authority made to Capitol has been well used and that the Campus is fulfilling its mission.

The Committee prepared several recommendations, and those requiring action will be reported to the Senate at the May of June meeting.

Libraries begin switch to computerized cataloging

The University Libraries are beginning a carefully staged progression from dependence on the conventional card catalog to computerized cataloging.

As of Jan. 1, 1981, no cards, except for certain non-Roman scripts, are being added permanently to the catalog, according to Libraries Dean Stuart Forth.

Since some access to currently cataloged material is necessary, however, title cards for the newly cataloged material will continue to be filed temporarily in the catalogs.

Dean Forth points out that title cards are now being filed within a week of a book's cataloging, an improvement on past practice. For many years, new books were cataloged quickly and made available to readers, but staffing limitations often precluded filing the cards in the catalog before three to five months had elapsed.

Library staff will continue to add title slips to the card catalog until the first non-card access to the catalog via computer Output Microform (COM) is ready in late

summer or early autumn.

COM will serve as intermediate access and, in the long term, as back-up for the Libraries' final on-line access program, Dean Forth explains.

Ultimately, on-line access will enable researchers to use a computer terminal to search the data base by author, title, subject and location, as well as to place personal reserves on material.

"Based on our present level of funding, we have set a target date of 1983-84 for public access to the data base," Dean Forth says. "With increased funds and staffing it could be sooner; if funds are further reduced, it will be later."

The first COM catalog will cover materials catalogued from Jan. 1, 1981, to the date of the COM's availability. Eventually academic departments may be able to buy microfiche copies of this catalog.

Several factors dictated the decision to "close" the card catalog, according to Dean Forth. Not only are card catalogs labor intensive and thus very expensive to

maintain, but they have also been rendered obsolescent by the advent of computerized cataloging and changes in national and international bibliographic records, upon which all research libraries depend.

The Library of Congress struck a final blow this year by deciding to change drastically its methods of recording bibliographic information. Research libraries rely heavily on the Library of Congress's bibliographic standards and practices.

"Penn State, with diminishing resources, simply cannot match old and new practices in the traditional catalog and still maintain its usefulness," Dean Forth points out, adding:

"While drastic changes from ancient practices are bound to be accompanied by occasional delays and irritations, the new computerized catalog is going to work. It will be cost effective and in time will become as familiar to our users as the present card cataloging system."

Alumni Fellows will visit Hershey, University Park

Three prominent alumni of the University return to their alma mater next week in the role of Alumni Fellows, one of the highest honors Penn State can bestow.

Charles L. Blockson of Norristown, Pa., authority and collector of African-American history and literature, and Samuel S. Vaughan of Tenafly, N.J., publisher and president of Doubleday Publishing Company, will visit the University Park Campus to share ideas and professional experiences with students, faculty and administrators.

Gilbert Nurick of Harrisburg, attorney and past president of the Pennsylvania Bar Association, will visit the College of Medicine at Hershey. He will speak about professional self-regulation and medical ethics.

The Alumni Fellows program, sponsored by the Penn State Alumni Association, was initiated in 1973.

Mr. Blockson, a member of the Penn State Class of 1956, will be a guest of the College of Health, Physical Education and Recreation April 6 through 8. He will present a lecture, "Reflections on Paul Robeson," and meet with parks and recreation and physical education classes.

Currently human relations adviser for the Norristown Area School District, Mr. Blockson has been a collector of African-American literature for more than 40 years

and has one of the nation's largest private collections of books about Black history.

An author himself, Mr. Blockson has published three books, *Black Genealogy*, *Pennsylvania's Black History* and *The Underground Railroad in Pennsylvania*, the last of which is being made into a television documentary.



Mr. Vaughan



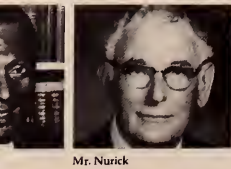
Mr. Blockson



Mr. Nurick

begin in 1952, Mr. Vaughan has achieved wide renown for his editing of political and public affairs books by such authors as Dwight D. Eisenhower, Nelson Rockefeller, Hubert Humphrey, Edmund Muskie and Eugene McCarthy.

Mr. Vaughan also has written three books for children: *The Two Thirty*



Bird, New Shoes, and Whoever Heard of Kangaroo Eggs?

Gilbert Nurick, a 1928 Penn State graduate and a 1931 graduate of The Dickinson School of Law, has been associated with the Harrisburg law firm of McNees, Wallace and Nurick since founding it in 1931. He served as a senior partner from 1959 to 1978.

As general counsel for Hershey interests, Mr. Nurick played an important role in the

(Continued on page 6)

Penn Staters

Dr. Joanne Trautmann, professor of humanities and English at Hershey, presented the commencement address for the College of Human Medicine at Michigan State University. Her title was "Two Life Forms: The Resume and the Story."

J. William Holl, professor of aerospace engineering at the Applied Research Laboratory, conducted a seminar before the Royal Institute of Engineers at The Netherlands, on March 10. He described "Cavitation Research at the Garfield Thomas Water Tunnel."

Invited lectures were recently given by Dr. Heine K. Henisch, professor of the history of photography and IAHS Fellow, at two Houston, Texas, universities. At Rice, Dr. Henisch spoke on "Early Photography in Vienna." "Non-Objective Photography" was the title of his presentation at the University of Houston.

Dr. Forrest J. Remick, professor of nuclear engineering and assistant vice president for research and graduate studies, has been named to a special education, training and qualification task force by the Institute of Nuclear Power Operations. INPO was established as an independent industry organization to improve the quality and safety of nuclear operations as an aftermath of the TMI-2 accident.

Patricia D. Byers, dean of student affairs at Mont Alto, has been elected to the Executive Board of the American College Personnel Association. ACPA has some 8,000 members nationwide.

Dr. George E. Andrews, Evan Pugh professor and head of the Department of Mathematics, presented a colloquium at Columbia University on "Ramanujan's 'Lost Notebook'."

While a visiting scholar at the University of London during Fall and Winter Terms, Dr. William Toombs, research associate, the Center for the Study of Higher Education, presented a lecture at Christian Albrecht University in Kiel, West Germany. He spoke on faculty roles and changing academic programs.

Dr. William E. Sopper, professor of forest hydrology, and Sonja N. Kerr, environmental research analyst at the Institute for Research on Land and Water Resources, have been awarded a plaque by the Professional Reclamation Association of America. They were honored for their outstanding technical paper in the poster session of the 1980 Symposium on Surface Mining Hydrology, Sedimentology, and Reclamation. The title of their paper was "Strip Mine Land Reclamation Using Municipal Sludge."

Joyce Crays, Armstrong County agent, has been named recipient of the 1981 New Worker Achievement Award presented by the Pennsylvania Association of Extension 4-H and Youth Workers. The award is presented annually to an Extension staff member with less than two years of service who demonstrates outstanding ability in teaching at community, county, regional and State levels.

Bookshelf

Donald J. Epp, associate professor of agricultural economics, and John W. Malone Jr., professor and department head of Agricultural Economics and Rural Sociology, have recently had a textbook, *Introduction to Agricultural Economics*, published by MacMillan Publishers, Inc.

Whether one is interested in reviewing back issues of the old weekly "Howard Hustler" or in researching the Bellefonte Central Railroad, a newly published bibliography tells where to look.

Centre County, Pennsylvania: A Bibliography and Guide to Sources of

Information has been compiled by Joan

Elaine Lee, senior assistant librarian. The 327-page book contains 2,378 separate listings on Centre County topics ranging from agriculture to water and sewage. Depending on the topic listed, the bibliography directs users to one of 23 separate library locations for information on county subjects.

The bibliography was funded by The University Libraries administration.

"In 1975," says Ms. Lee in the book's introduction, "the advent of the Bicentennial year brought an increased interest in local history and the tracing of roots."

"This, added to the ever-present questions relating to Centre County from librarians, public school and university students, teachers and administrators, historians and government officials, amateur genealogists, the media and the general public, led to... this work and subsequently determined its nature."

Both published and unpublished works are listed. Books, pamphlets, public documents, maps, public archival materials, dissertations and theses, periodical articles and a few selected newspaper articles comprise the bulk of the work. General State or regional works, when relevant to Centre County, are included.

"A systematic effort was made to include materials from the earliest days through 1976, with a few later references," Ms. Lee says.

"In the past, the greatest difficulty with the serious study of small localities was the lack of first-class local bibliographies," writes history professor emeritus Philip S. Klein in the book's foreword. "For Centre County, this book meets the need."

Drs. G. Phillip and Carol A. Cartwright, both professors in the College of Education, have combined their talents to write *Educating Special Learners*, a 475-page college textbook published this year by Wadsworth Publishing Company. In the text, the Cartwrights are joined by co-author Majorie E. Ward of Ohio State University; and in the accompanying 250-page teacher's manual (*Activities, Guidelines and Resources for Teachers of Special Learners*), they are joined by coauthors Dr. Herb and Dr. Sara Willoughby-Herd of Clarion State College.

Dr. G. P. Cartwright is professor and acting head of the Division of Special Education and Communications Disorders. Dr. C. A. Cartwright is coordinator of graduate studies and professor of education in the Division of Curriculum and Instruction.

Included in the comprehensive text, which in many sections could serve as a parent's manual as well as a guide for teachers, are 17 chapters containing a wide-range of topics related to special education. In addition, the book contains many case histories, anecdotes and photographs illustrating the hardships and successes of handicapped persons, as well as how teachers and parents can better serve the handicapped. The authors include an entire chapter of "Human Services and Placements," in which they list and describe the many services available to meet the needs of the handicapped.

In the accompanying teacher's guide, the authors have listed useful suggestions and resources for working in special education. Again, much of the information is as informative for parents as it is for teachers.

Two University faculty members have published the first critical edition of one of the works of 16th-century Spanish writer and poet Juan de la Cueva de Garza (ca. 1550-1610).

The two are Dr. Beno Weiss, associate professor of Italian, and Dr. Louis C. Perez, professor of Spanish. Their book is *Juan de la Cueva's Los Inventores de las Cosas - A Critical Edition and Study*. It was published by the Pennsylvania State University Press.

Los Inventores, one of Cueva's last works, was written during a visit to

Cuenca and was not published until the 18th century. The book by Drs. Weiss and Perez is the first critical edition of this long narrative poem on "The Inventors of Things." The authors offer a carefully edited text, a short biography of Cueva, a critical and textual introduction, a bibliography, and an annotated index (a glossary) of persons, places, and things cited in the poem. The text is based on the hitherto unpublished Madrid manuscript, with notes on all the variants from other manuscripts.

Professors Weiss and Perez are members of the Department of Spanish, Italian and Portuguese. Dr. Weiss has previously done translations and biographical and critical studies of Italian and Spanish literatures. Dr. Perez has published numerous articles and two books on Spanish Golden Age drama.

25-year chairs



Dr. H. Tracy Sturcken, professor of Spanish, is observing his 25th year as a member of Penn State's faculty.

Dr. Sturcken has written a book, *Don Juan Manuel*, and has co-authored two others, *Old Spanish Review* and *Spanish in Review*. He also has authored some 15 articles and 70 book reviews for professional journals and has presented a dozen papers at professional meetings. From 1960 to 1962, he was editor of the *Comparative Romance Languages Newsletter*.

Dr. Sturcken originated and taught for the first time a number of Penn State's graduate course offerings in the fields of Ibero-Romance and medieval Spanish linguistics and literature. He further served as acting head of the Department of Spanish and on the committee that established the College's Medieval Studies Area Program. From 1965 to 1975, he was chairman of the Department's Graduate Studies Committee.

To collect data on dialects for his graduate courses and books, Dr. Sturcken has traveled extensively in the rural areas of northern Spain.

Dr. Sturcken has directed some 40 M.A. degree theses and doctoral dissertations. He received his Ph.D. (1953) and M.A. degree (1950) from the University of North Carolina and his A.B. degree (1947) from the College of Charleston (S.C.) Prior to joining the Penn State faculty, Dr. Sturcken taught at Amherst and Colby colleges.

Dr. Deborah S. Austin, professor of English, is celebrating her 25th year as a University faculty member.

Dr. Austin is the author of a volume of poetry, *The Paradise of the World* (Penn State Press), and is in the process of preparing a second poetry manuscript, which she says is "probably long enough to fill two volumes." In addition, she has published individual poems in numerous publications, including *The Yale Review*, *The Nation*, *The Massachusetts Review* and the *Journal of General Education* (JGE). At present, she is in her fourth year as poetry editor of the JGE.

A specialist in 19th century British literature, Dr. Austin has written on William Blake, George Meredith and Henry James. Her study guide, *An Introduction to the Poetry and Prose of*

Dylan Thomas, was published by the University's Center for Continuing Liberal Education (CCLE) for use by adult study groups. She is also one of three co-authors of *Modern Fiction: Form and Idea in the Contemporary Novel and Short Story*, it, too, was published by CCLE.

During 1974, Dr. Austin was a visiting faculty member at Bucknell University in the double capacity of Blake expert and poet. A lecture she presented there, "Threefold Blake's Divine Vision, Intention and Myth," was included in *The Binding of Proteus, Perspectives on Myth and the Literary Process*, published in 1980 by the Bucknell University press. In 1975, Dr. Austin presented an invited lecture at Bryn Mawr College, "Blake's Illustrations to Bunyan's *The Pilgrim's Progress*."

At Penn State, Dr. Austin originated and developed the English Departmental Honors Program and served as chairperson for several years of the Liberal Arts Honors Committee during the period when the College was developing its Departmental Honors programs. Among numerous other activities, she chaired the Faculty Senate's Graduate Academic Standards Committee in 1977-78 and the Departmental Committee on Rank and Tenure in 1979-80. She also served three years on the Graduate Council.

Dr. Austin received her Ph.D. from Bryn Mawr College (1953), her M.A. degree from Radcliffe College (1946) and her B.A. degree from Smith College (1943), all in English.

Edward E. (Ned) Minshall, news editor in Continuing Education, joined the University on April 1, 1956, as news assistant - making him eligible for his 25-year chair.

A State College native and Penn State graduate, he has lived his entire life in central Pennsylvania, except for military service in the 82nd Airborne and 88th Infantry Divisions and four years in the capacities of general reporter, sports editor, and managing editor of several southwestern Pennsylvania daily newspapers.

He is married to Anne K. Minshall, personnel coordinator for University Libraries. They have five children: Susan Braun, Germany; Nancy Sabol and sons Ed and Bill, all of State College; and Maggie Smith, Julian, who is the mother of their only grandchild, Brian. Nancy and Maggie are University employees in the Physics and Student Aid Departments, respectively.

The family spends a lot of time during spring, summer and fall at its cabin along Penn's Creek near Coburn. The surrounding woods have provided a relatively new "hobby" - woodcutting to fill the seemingly insatiable appetites of woodburning stoves in both their home and their cabin.

A staunch advocate of woodburning as an alternative to burning imported oil, Mr. Minshall strongly urges anyone considering it to read everything he or she can find on safe woodburner installation and maintenance, then follow the specifications to a "T." Woodburning, like all other forms of heating, is not 100 percent fireproof, he emphasizes, but careful installation and maintenance can keep it in the high 90s.

Promotions

Staff Exempt

Doris J. Bickle to staff assistant, Center for Research in Business Administration. Gregory S. Kozma to assistant food service manager at Hershey. George G. Summers to staff pilot in Business Services.

Clerical

Norma J. Muck to clerk records A in Student Administrative Services.

Technical Service

Josephine M. Dunkle to anesthesia workroom aide at Hershey. Jay Minasi to janitorial worker, group leader, utility, in Physical Plant.

(Continued on page 3)

(Continued from page 2)

Charles H. Steele to residence hall preventive maintenance worker in Housing and Food Services. William Stouffer to janitorial worker, group leader (utility) in Physical Plant. Gregory K. Wert to preparation technician in Science.

Staff development

The University offers the EXCEL Program as a training and development program for senior, career-oriented office personnel. Recent graduates are:

Merrilee Barner, accounting clerk, Controller's Office; Mary Baylets, senior clerk, UDIS; Janet Bowman, secretary B, President's Office; Carol Brobeck, secretary B, Nuclear Engineering; Lois Cook, secretary B, Earth and Mineral Sciences; Dottie Duck, secretary B, Earth and Mineral Sciences; Laura Frey, secretary B, Business Administration; Ann Hagan, secretary B, UDIS; Beryl Holtzinger, secretary B, Liberal Arts.

Denise Jenkins, secretary B, Student Administrative Services; Judy Leonard, secretary B, Education; Elaine Malin, secretary B, HPER; Cynthia Miller, secretary B, Controller's Office; Sharon Rakowski, secretary B, Continuing Education; Karen Samsel, senior clerk, Student Administrative Services; Sherry Sharum, secretary A, Human Development; Peggy Spangler, secretary B, Education; Linda Steyers, secretary B, Science; Anna Strouse, secretary B, HPER; Debbie Struble, secretary A, Public Information.

Carpoolers

Drivers are wanted to join an existing carpool from Tyrone to campus. Hours 8 a.m. to 5 p.m. Call Joan Everhart 865-1402 or 684-4985.

Partings

George R. Barr closed the book on a 40-year chapter of Penn State employment when he retired on April 1.

Co-workers and friends marked the occasion with a party where Mr. Barr received a Nittany Lion statue, a traditional scroll signed by co-workers and warm wishes for the future.

"George was an A-1, A.O.K. employee," says supervisor Art Kelley. "If we could have more employees like George, the University would be a better place."

Mr. Barr had worked for the University since 1941 when he started in Landscape doing everything from mowing grass to running a high lift. He continued in his position, except for a few years of service with the Army, until the early 1950s. At that time, he transferred to Campus Patrol where he was involved with daylight traffic duties.

In 1961, he became a property inventory clerk and several years ago was promoted to assistant supervisor of equipment records in the Controller's Office. Mr. Barr's job took him to every corner of Pennsylvania as he travelled to the branch campuses to oversee the tagging of equipment for inventory purposes.

Joining Mr. Barr in his retirement will be his wife, Velmeda, who recently retired from Erie Tech. However, the Barr family will still be represented at Penn State by son, Gerald, and daughter, Darla, who are both University employees. Another son, George Jr., graduated from Penn State in 1973 in law enforcement and corrections and is currently attending law school in Oklahoma.

Retirement plans for the Barrs include the possibility of trips to Florida and Oklahoma.

Heleen J. Peters, janitorial worker in the Office of Physical Plant, retired April 1 after working for the University since Oct. 10, 1960.

Most recently assigned to Davey Laboratory, Mrs. Peters spent her entire tenure in the Office of Physical Plant, except for a five-year period from 1971 to 1976 when she served as a milk test-machine operator in the College of Agriculture.

Noting that her seven grandchildren are her "main interest," Mrs. Peters says her retirement plans include a trip to South Carolina, where two of her grandchildren reside.

Miriam E. Braucht, a senior operator in the sewing room for the Department of Housing and Food Services, retired March 11. She had been employed by the University since Sept. 18, 1957.

Mary Alwine, a campus scheduler with Continuing Education, retired April 1 after working for the University since March 1, 1971.

Freda McClenahan, a residence hall worker in Housing and Food Services since Sept. 30, 1969, will retire April 25.

Richard Marinac, an instructor in English at the DuBois Campus, left the University Jan. 8. He had been at the Campus since Oct. 31, 1966.

Robert R. Brownlee, senior research associate in Engineering, left the University April 1 after a tenure dating back to Feb. 1, 1958.

Doris Watson, a switchboard operator at Behrend College, left the University April 1. She has been at the College since March 29, 1971.

Linda J. Coughlin, a secretary in Continuing Education since June 22, 1970, left the University on March 28.

Obituaries

Charles T. Davis, professor of English at the University, where he taught from 1961 to 1970, died March 26. He was 62. At his death, Dr. Davis was chairman of the Afro-American Studies Program at Yale University. Dr. Davis helped develop Penn State's first black studies courses.

A graduate of Dartmouth College, where he was elected to Phi Beta Kappa in his junior year, he earned his M.A. from the University of Chicago and his Ph.D. at New York University. His chief research interests while at Penn State were in the poets Edward Arlington Robinson and Walt Whitman, and he edited books on the works of both men.

John L. Rosenberger, a former associate county agent on the College of Agriculture staff, died March 14. He was 69. Mr. Rosenberger was employed as a county agent from 1954 until his retirement in 1977.

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Faculty/Staff Alerts

Withholding reminder

The Controller's Office wishes to remind those employees who filed a Withholding Exemption Certificate — Form W-4E — for 1980 that this certificate will expire April 30, 1981, for taxpayers on a calendar year basis. The exemption claimed on Form W-4E must be renewed annually.

If you qualify and wish to continue your exemption, or if you are applying for the first time, you must file a new Form W-4E for 1981. You may claim the exemption from withholding if you had no income tax liability for 1980 and if you anticipate no income tax liability for 1981. Forms are available from the Payroll Department, Room 301 Shields Building.

In general the elimination of the withholding applies only to those working part-time. The principal advantage is that it will eliminate the need to file an income tax return at the end of the year to obtain a refund of money withheld.

Anybody There?

The University is host for this year's Eastern Regional Conference for Fulbright Scholars, which will take place May 3-6 at Keller Conference Center. The theme of the conference is "Global Interdependence: Changing Perspectives in International Policy in the '80s." Penn Staters who have held Fulbright scholarships are invited to participate with the understanding that they will be encouraged to attend on a continuous basis throughout the conference in order to stimulate fellowship and informal exchange. For further information please write to the Chairman, University Committee on International Programs, Room 306 Willard Building, University Park, PA 16802, or phone 865-9549 between 10 a.m. and 12 noon.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division 865-1387 (ext. 100) or 865-1387. Applications for these staff vacancies will be accepted until 5 p.m., April 9, 1981. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment Practices (FEP-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ADMINISTRATIVE ASSISTANT FOR ACADEMIC SERVICES, BERKS CAMPUS. Assist, plan, organize and implement the student registration process. Responsible for the maintenance of student and faculty records and submission of required reports. Provide liaison with appropriate Campus and University offices, including Student Affairs Office, Computer Service, etc., with regard to instructional services, registration, records, orientation, etc. Assist in the development and delivery of instructional services by orientating, meeting and space requirements, preparing registration and admission analyses, etc. Prepare and validate class schedules. Responsible for the coordination and preparation of the final examination schedule. Master's degree in an academic discipline, higher education, or instructional technology, or equivalent outside study or training plus up to and including one year of effective experience, with teaching experience highly desirable.

EMPLOYMENT SPECIALIST/NURSING, COLLEGE OF MEDICINE, HERSHEY. Interview and screen registered nurses, licensed practical nurses and other nursing personnel in light of existing or proposed vacancies, inform applicants as to employment procedures, University policies, benefits, working conditions, etc. Determine employee qualifications for positions in accordance with positions' requirements and determine appropriate salary within established guidelines to include the establishment of training programs as necessary. Assist with special projects assigned to include traveling to schools of nursing to recruit potential employees, and annual affirmative action audit, the annual Department of Personnel Services report, salary surveys, etc. In absence of other employment specialists, perform duties as assigned.

Bachelor's degree (or equivalent) in nursing or related field, plus one to two years of effective experience.

NUTRITIONAL CARE TECHNICIAN, COLLEGE OF MEDICINE, HERSHEY. Responsible to Senior Nutritional Care Technician for the operation of the Diet Office and as a Clinical Dietitian when providing nutritional care to patients. Associate degree in foods and nutrition or equivalent, and six to twelve months effective experience.

MANAGER, ADMISSIONS DEPARTMENT, COLLEGE OF MEDICINE, HERSHEY. Responsible to the Associate Hospital Director/Director of Financial Affairs for carrying out the admissions and financial counseling policies of the hospital and for the supervision of the Admissions Office. A bachelor's degree in business or equivalent and two to three years of effective experience.

BOOKSTORE MANAGER, UNIVERSITY BOOKSTORE, DELAWARE AREA COUNTY CAMPUS. Responsible to Director, Penn State Bookstore System, for purchasing, financial and retail operation of Delaware County Campus Bookstore. Determines quantity of each textbook title, associated loss, material, supplies, and equipment items for each registration period of effective inventory. Approves all invoices for payment. Accountable for and controls cash, cash registers, and preparation of report of cash receipts. Studies new lines of merchandise and reacts to the new lines of merchandise and a varying number of part-time clerical employees. Associate degree or equivalent to two years of college-level training, with over one year and up to and including two years of effective experience, or high school graduation with two years of business school, plus over two years and up to and including four years of effective experience.

Funding Sources

For further information, call 865-1372

(357)-The National Institute of Mental Health has a June 1 deadline for several programs: (1) Manpower Research and Community Grants, Dr. Sam Silverstein (301-443-3003); (2) National Research Service Awards — Individual and Institutional, Dr. Peter Aronoff (301-443-3855); (3) Professional Education, Manpower & Training Programs, Mr. Donald Fisher (301-443-3331); (4) Psychology Education, M & T Programs, Dr. Stanley Schneider (301-443-3358); (5) Research in Minority Mental Health, Dr. James Ralph (301-443-3724); (6) Research Scientists Award, Dr. Leonard Lash (301-443-4347); (7) Short-term Training Grants for Non-Mental Health Persons, and Social Work Education, M & T Programs and Special Projects in Mental Health Manpower Development, Dr. William Denham (301-443-4257); and (8) Special Mental Health Manpower Training Grant, Dr. Juan Rangel (301-443-3533) (Ref: OHP Deadlines, June 1981)

Dean Pattishall

(Continued from page 1)

From 1962 until 1966, Dean Pattishall served as associate professor of psychiatry and psychology and chief of the Division of Behavioral Sciences at the University of Florida. Prior to that, he was on the faculty of the University of Virginia and Appalachian State College.

A native of Richmond, Va., Dr. Pattishall has an unusually diverse educational background. After attending Davidson College as a premedical student, he interrupted his schooling to serve as a Navy officer in the Pacific Fleet during World War II.

After the war, he earned his bachelor's and master's degrees in music from the University of Michigan. In 1951, he was awarded a doctorate in educational psychology from Michigan.

In 1958, he interrupted his teaching career to enroll at Western Reserve University, where he earned the doctor of medicine degree in 1962.

Dr. Pattishall has written widely in the field of behavioral science and medical research, and his articles have been published in numerous professional journals.

He is chairman of the national committee which established the behavioral sciences as an equal part of the national certification testing of medical students by the National Board of Medical Examiners. He is a charter member of the Behavioral Medicine Study Section of the National Institutes of Health and is on the Medical Advisory Commission of the Bureau of Health Manpower of the U.S. Department of Health, Education and Welfare.

University Park Calendar

April 2-14

Special Events

Thursday, April 2

Campus Colleagues, brown bag lunch, noon, Room 225 HUB William W. Ashbury, affirmative action, and Jane McCormick, student affairs, on "Penn State's Guidelines on Sexual Harassment."

Commons concert, State College Suzuki

Program, noon, Kern Lobby.
Sports: softball (women) vs. East Stroudsburg (DH), 2 p.m.

Cinemathèque, *It Came from Outer Space* (3D), 7 and 9 p.m., HUB Assembly Hall.

Football Office lecture, 7 p.m., Keller Auditorium. Ellington Darden, Athletic Center of Atlanta, on "General Conditioning and Strength Training."

URTC/Kern Theatre, *Jacques Bel is Alive and Well and Living in Paris*, 8 p.m., Room 112 Kern.

URTC, *The Cherry Orchard*, 8 p.m., The Pavilion Theatre.

Black Arts Festival, 8 p.m., Ray Memorial Lounge. HUB. Leroy Irvin, minority leader, Pa. House, on "Black Perspectives of the 80s in the Political Arena."

Friday, April 3

Craft demo, Charles Hollingsworth, drawings, 11:30 a.m., Kern Lobby.

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Paul Simkins,

geography, on "The Prospects for Curbing Population Growth in Latin America."

Sports: tennis (women) vs. James Madison, 6 p.m.

Cinemathèque, *It Came from Outer Space* (3D), 7 and 9 p.m., HUB Assembly Hall.

URTC/Kern Theatre, *Jacques Bel is Alive and Well and Living in Paris*, 8 p.m., Room 112 Kern. After dinner refreshments, Room 102 Kern. Also April 4, 5.

URTC, *The Cherry Orchard*, 8 p.m., The Pavilion Theatre.

Artist Series, Gewandhaus Orchestra of Leipzig, 8:30 p.m., Eisenhower Auditorium.

Saturday, April 4

Penn State Alumni Association, Alumnae Day, 9 a.m.-4:30 p.m., Keller Bldg.

Sports: softball (women) vs. Temple (DH), 1 p.m.; tennis (women) vs. Rutgers, 8 p.m.

URTC, *The Cherry Orchard*, 8 p.m., The Pavilion Theatre.

Penn State Symphony Orchestra, Young Artists Concert, 8:30 p.m., Eisenhower Auditorium.

Sunday, April 5

Sports: tennis (women) vs. Bucknell, 9 a.m.

University Chapel Service, 11 a.m., Eisenhower Chapel. M. Lee Upreti, director, Residential Life Programs, speaker.

France-Cinema, *The Virgin Spring*, 7 and 9 p.m., Room 112 Chambers.

Monday, April 6

Commons film, "Thank God I'm a Country Boy: Terry Bradshaw," noon, Room 112 Kern.

France-Cinema, *The Virgin Spring*, 7 and 9 p.m., Room 112 Chambers.

Black Studies lecture and film, Charles

Blockson, 1981 Alumni Fellow, on "Reflections on Paul Robeson," and film, *Song of Freedom*, 7:30 p.m., Robeson Cultural Center. Reception following film.

Interdisciplinary Symposium on Value, 7:30 p.m., Room 101 Kern. John McDermott,

Tras AGM Univ., on "Worrying About Interdisciplinary Studies and Applied Philosophy."

Albert Paley, metalsmith, presents a slide lecture and film about his work, 8 p.m., Room 102 Chambers.

Archaeological Institute lecture, 8 p.m., Room 113 Forum. Stuart Fleming, director, applied science section, Univ. of Pa. Museum, on "The Egyptian Mummy: Secrets and Science."

Jeanne Swack, flute, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, April 7

Comp. Lit. Luncheon, 12:15 p.m., Room 204

HUB. Martin Quaver (Beaver) on "Islam and the Iranian Revolution: Perceptions and Misperceptions."

School of Music Common Hour, 1 p.m., Music Bldg. Recital Hall. Music by Dominick

Argento.

IAHS/English Dept. lecture, 1:30 p.m., Room 101 Kern. James L. Kinneavy, Univ. of Texas, on "From Theory to Practice in



Thorsten Erik Edvar, a junior at the Curtis Institute of Music, will be guest trombone soloist during an April 12 Blue Band concert, directed by Dr. Ned C. Dreihl.

Teaching Composition, An Historical Perspective.

Sports: tennis (men) vs. Univ. of Pa., 2 p.m.

University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

Comp. Lit. Film Series, *Everything for Sale*, 7 and 9 p.m., Room 112 Kern.

IAHS lecture, 8 p.m., Room 102 Forum.

Dominick, Argento, composer of new choral work for Penn State Singers, speaker.

Linguistics Program/IAHS lecture, 8 p.m., Room 167 Willard. Wolfgang Dressler,

Univ. of Vienna, on "Sociolinguistic Problems of German as Spoken in Austria."

Artist Series film, Brooks, *Young Frankenstein* (1975), 8 p.m., Schwab.

Wednesday, April 8

Original print exhibition and sale, 10 a.m.-5 p.m., Kern Lobby. Also April 9.

STS/TCO luncheon, noon, talk, 12:30 p.m., Room 101 Kern. William H. Allison,

Arts and Architecture, on "Some Applications of Modern Technology to the Theatre."

School of Music, Music in Interesting Times, *Musica da Camera*, "Queen of Tonga Suite," 2:20 p.m., Music Bldg. Recital Hall.

Melissa Dixon, violin, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, April 9

Fixed date for meetings involving Commonwealth Campus Faculty. Also April 11.

Third Annual Slavic Folk Festival, 9 a.m.-11 p.m., Robeson Center, Walnut.

Music in Interesting Times, 2:20 p.m., Music Bldg. Recital Hall. Charles Keil, SUNY-Buffalo, on "Devo: Music from an Anthropological Perspective."

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Frederick Wernstedt,

geography, on "Tourists in Mexico. Why They Are, Where They Go, and Why They Matter."

Artist Series, Vincent Price as Oscar Wilde in *Divinations and Delights* by John Gay, 8:30 p.m., Eisenhower Auditorium.

Saturday, April 11

Third Annual Slavic Folk Festival, 9 a.m.-5 p.m., Robeson Center, Walnut.

Sports: lacrosse (women) vs. William and Mary, 1 p.m. (men) vs. Drexel, 7:15 p.m.; softball (women) vs. Cornell State (DH), 1:30 p.m.

France-Cinema, *Cocotea, Beauty and the Beast*, 7 and 9 p.m., Room 112 Kern.

Raymond Brown and the Penn State Singers, premiere performance of "Peter Quince at the Clavier," by Dominick Argento, 8:30 p.m., Schwab.

Sunday, April 12

University Chapel Service, 11 a.m., Eisenhower Chapel. Roosevelt Green, Jr., minority affairs, PSU Graduate School, speaker.

Sports: softball (women) vs. Ithaca (DH), 2 p.m.

Penn State Symphonic Blue Band, 3 p.m., Eisenhower Auditorium.

Loretta Greiman, flute, 7:30 p.m., Music Bldg. Recital Hall.

Seminars

Thursday, April 2

Computer Science, Michael K. Molloy, UCLA, on "Modeling the Performance of Distributed Systems with Stochastic Petri Nets," 4 p.m., Room 325 Whitmore (new listing).

Mathematics, Everett Fischer, Lehigh Univ., on "A Sphere Is a Sphere Is a Sphere," 4 p.m., Room 102 McAllister (new listing).

Friday, April 3

Physical Chemistry, William Jorgensen, Purdue Univ., on "Theoretical Studies of Organic Chemistry in Solution," 2:30 p.m., Room 333 Whitmore.

Astronomy, Robert D. Chapman, NASA, on "The 1979-80 Eclipse of Zeta Aurigae," 4 p.m., Room 445 Davey.

Monday, April 6

MC3B, Steve Gills, Fred Hutchison Cancer Center, on "Interlegin 2 - A Modulator of T Cell Proliferation," 4 p.m., Room 101 Althouse.

Philosophy, Paul Allen, East Stroudsburg State College, on "Moral Judgments: Subjective Yet Universal," 4 p.m., Room 101 Kern.

Tuesday, April 7

MC3B, Steve Gills, Fred Hutchison Cancer Center, on "Cytotoxic T Cell Lines," 11 a.m., Room 101 Althouse.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Economics/Institute for Policy Research.

Edward Denison, economic analysis, U.S. Dept. of Commerce, on "Setback to Productivity Gains," 2 p.m., Room 124 Sparks.

Environmental Pollution Control, G. William Myers, L. Robert Kimball Engineers, on "The Role of the Lawyer in Hazardous Wastes Regulations," 2:20 p.m., Room 128 Sackett.

Chemical Engineering, A. DeCana, Gulf Research, Hamarville, on "Field Measurements and Mathematical Modeling of Exchange of Gaseous Pollutants at the Earth Surface," 3:45 p.m., Room 140 Fenske.

Plant Pathology, Susan Sim, grad. student, on "Around the World in 80 Days (or Less): Long Distance Spore Dispersal," 3:55 p.m., Room 213 Buckhout.

Microcomputer Users, 7:30 p.m., Room 189 MRL.

Wednesday, April 8

Geosciences, Stephen J. Gould, Harvard Univ., on "Part I: Interaction and Replacement in the Fossil Record - The Story of Clams and Brachiopods. Part II: The Genius of Steno's *Prodromus*," 3:45 p.m., Room 26 Mineral Sciences Bldg.

Thursday, April 9

Ceramic Science and Engineering, William J. Minford, Bell Labs, Allentown, Pa., on "Ceramics for Integrated Optics," 11 a.m., Room 301 Steidle.

Chemistry, Ronald MacFarlane, Texas A&M Univ., on "C¹³-Plasma Desorption Spectroscopy - A Novel Application of Nuclear Energy to Studies of Involatile Molecules," 12:45 p.m., Room 333 Whitmore.

Astronomy, Normal Hummel, grad. student, on "Career Alternatives for an Astronomer with Advanced Degrees," 3:55 p.m., Room 111 Tyson.

Physics, Patrick Lee, Bell Labs, on "Electronic Instabilities in Quasi-One and Two Dimensional Systems," 3:55 p.m., Room 445 Davey.

Fuel Science, John Larsen, chemistry, Univ. of Tennessee, on "Solvent Interactions with the Macro-Molecular Structure of Coals," 4 p.m., Room 301 Steidle.

MC3B, Lee Hood, CIT, on "Anobodies, Split Genes and Jumping Genes," 4 p.m., Room 101 Althouse.

Philosophy, Albert Tsugawa, philosophy, on "Heraclitus and the Discursive Forms," 4 p.m., Room 167 Willard.

Friday, April 10

Analytical Chemistry, F. Scheller, Central Institute of Molecular Biology, Academy of Sciences of German Democratic Republic, on "Enzyme Electrodes of Oxidoreductases," 11:10 a.m., Room 333 Whitmore.

Analytical/Physical Chemistry, Glenn Brown, Kent State, on "Properties, Structure and Application of Liquid Crystals," 2:30 p.m., Room 333 Whitmore.

Exhibits

Chambers Gallery: Edward Betenas, sculpture, and Frank Chetelat, mixed media, through April 7.

HUB Galleries: Third Annual Slavic Folk Festival Exhibit, Art Alley, Jim Weigle, landscapes of handmade paper, Browning College, "Between Art and Industry - The Deutscher Werkbund," through April 3; Benny Anderson, paintings, opens April 4, The Gallery.

Kern Gallery: John Seitz, glass work; Mary Weidner, drawings; PSU Art Dept. Juried Photography Exhibit.

Museum of Art: Recent acquisitions to the Museum's collection. Selected works from the collections of Mimi and Sanford Feld and Samuel Galla. Selections from the Museum's American collection. Watercolors from the permanent collection, opens April 5.

Pattie Library: Rome Hanks, landscape photographs, through April 9; Mary Barnes, drawings and paintings, opens April 9, East Corridor Gallery. Paul Flexner, drawings, Lending Services Lobby. Andrew Peck and Thomas Hubben, ceramics and ceramic sculpture, Main Lobby. "Photography and Humor," arranged by G. and L. Greenhill and B. and H. Henrich, Rare Books Room. Mi Park, paintings, West Pattee Lobby.

Visual Arts Zoller Gallery: Visiting Artist Exhibition, through April 12.

From the Trustee Docket

Private giving increases

During the first half of the current fiscal year, private giving to the University increased by more than 25 percent over the same period of the previous year, Penn State's Trustees were told.

Dr. Richard E. Grubb, senior vice president for administration, said private contributions for the period from July 1 to Dec. 31, 1980, totaled \$5,329,687, up from \$4,260,074 during the same months in 1979.

"We're reaching more and more alumni and friends with our message that their gifts of all sizes are important and do make a difference," Dr. Grubb said. "We're especially pleased that the number of individual gifts has been growing."

In the second half of 1979, the University received 15,791 private gifts. The comparable figure for 1980 was 19,598.

During the months in question in 1980, alumni and friends gave a total of \$1,647,160, Dr. Grubb said. The previous year, alumni and friends gave \$1,173,538 during those months.

Corporations and businesses gave more than \$1.68 million from July to December 1980, while foundations and organizations contributed more than \$1.58 million. Deferred giving, primarily bequests, added an additional \$407,864.

Most gifts — more than 95 percent — are used for special purposes specified by the donor. Student aid and enrichment of educational programs are two major areas that receive support. Undesignated contributions are allocated to a limited number of special projects.

Alumni emphasis on fund raising, recruitment

Efforts to support the University's agenda for action in this decade — as put forth in *A Perspective on the '80s* — were the focus of the past year's activities of the Penn State Alumni Association.

Jay Feldstein, president of the Alumni Association, said in his annual report to the Board that the 50,000-member organization has increased its emphasis on private fund-raising and the recruiting of students.

"About 70 percent of alumni contributors to the Penn State Fund are members of the Alumni Association," Mr. Feldstein told the Board. "Association members are much more likely to become involved in advisory, supportive and leadership roles with the University."

In reporting on the Association's support of the University's Admissions Office, Mr. Feldstein said the two groups are working closely to develop a systematic plan under which the admissions staff trains alumni volunteers to help recruit outstanding students for Penn State.

"So far," Mr. Feldstein said, "alumni volunteers have been trained in a dozen clubs in New Jersey, New York, Connecticut, Ohio, Maryland and the District of Columbia. The admissions staff feels these alumni have had considerable impact on the applications from out-of-state residents, which increased this year."

Mr. Feldstein added that at the request of Donald G. Dickson, dean of admissions, he has appointed an Alumni-Admissions Advisory Board, which includes the following alumni:

John Bott of Washington, D.C. (class of 1959); Dr. Stanley Bushoff of Pittsburgh (1953); Philip Coase of Mountaineers, N.J. (1949); Mary Ann Passa of Bethlehem (1975); Ann Riley of Edison, N.J. (1969); Irving Segal of Westlake Village, Calif. (1956); Marcia Wharton of Mechanicsburg (1963); Susan Wilson of Macedonia, Ohio (1971); and Harry Young of Pittsburgh (1980).

Alumni are involved also in supporting the University's Career Development and Placement Center. Mr. Feldstein observed, noting that a new program was initiated

last spring to bring regional career development workshops to several Commonwealth Campuses.

In addition, alumni volunteers are providing career counseling and job placement assistance, and alumni societies in Penn State's academic colleges have held a number of career days over the past year.

Reporting about the alumni body, Mr. Feldstein noted that "about one out of every 1,100 persons in the U.S. is a Penn State graduate. We have records on 238,000 alumni."

Other 1980-81 activities reported on by Mr. Feldstein included the Alumni Fellows program, an Alumnae Day planned around topics for women, the Alumni Vacation College, and the modernizing of the Alumni Association's record keeping systems.

Mr. Feldstein observed also that the Association's membership increase has slowed since last July, when the annual membership rate was raised from \$10 to \$15. He further noted that although the number of the Association's annual members had decreased by 400 since last July, the number of life members increased by about 1,100.

A 1959 graduate of Penn State, Mr. Feldstein is a practicing attorney in Pittsburgh and chairman of the Pennsylvania Lottery Commission.

Room, board charges up

An increase in student room and board charges, effective in September 1981, was approved by the Trustees.

"We have done our best, in the face of high inflation, to keep the charges to a minimum," President Oswald told the Board.

"As you know, the residence and dining halls are a self-sufficient operation with no State funds and must run on a break-even basis. The costs of the goods and services needed to run them are now going up faster than the inflation index."

"Although the administration has worked hard to minimize costs, it is inevitable that the students will have to pay some of the difference. The overall 11.3 percent increase in room and board fees is less than the 1980 inflation rate of 12.7 percent."

"The cumulative inflation rate since 1974 has been 87.6 percent, while Penn State room and board increases have been held to 54.7 percent in the same period."

Dr. Oswald said the new rates will change the room and board charge for an undergraduate double room from \$610 per term to \$679, an increase of \$69. The rate for an academic year of three terms will be \$2,037. The cost of single room with board will increase from \$655 to \$729 per term. The \$69 double-room increase represents \$26 per term for room rental, \$40 for board and \$3 in the counseling fee included in overall residence hall costs.

Room and board for graduate students will increase from \$610 to \$680 per term for double rooms; from \$655 to \$730 for singles. Rooms for graduate students who do not use campus dining halls will go from \$282 to \$322 for double rooms and from \$322 to \$377 for single rooms. Rooms for graduate students electing to use food coupons will be \$397 for a double room and \$442 for a single.

Rates for Atherton Hall apartments for graduate students at University Park have increased to \$447 per term for a single with a shared bath; \$477 for a single with a private bath; and \$626 for a double size with a bath.

Meade Heights Housing will increase to \$341 for a two-bedroom house (four persons per house); \$379 for two bedrooms (three persons).

Family housing apartments, charged on a monthly basis, have the following new rates: Eastview Terrace, one bedroom, \$155; two bedroom, \$175; Graduate Circle, one bedroom \$162, two bedroom, \$182; Meade Heights (faculty), small, \$240, large \$265; Meade Heights

(students), small, \$235, large, \$260; Capitol Campus, one bedroom, \$190, two bedroom, \$200.

Apartments at University Manor at the Hershey Medical Center will increase by an average of 6.5 percent.

Other apartments in the Penn State system have increased at varying rates.

Water consumption at U.P. tripled over past 20 years

Water consumption at University Park has more than tripled in the past 20 years according to a report presented by Ralph E. Zilly, vice president for business.

Approximately 500 million gallons were used in the 1959-60 school year, compared to more than 1.6 billion gallons in 1979-80 — reflecting increased numbers of students and campus facilities.

"An adequate and reliable water supply is vital," Mr. Zilly said. "Continuing water conservation and leak detection programs are needed to assure the supply."

The University routinely performs surveys for water leaks and has taken several large-scale steps to curb water use. Flow restrictors on shower heads were installed more than five years ago, and the flow rate of flushometers on toilets has been reduced by nearly 50 percent.

In addition, equipment cooling water is recycled, wherever possible, instead of running it "to drain."

Water has been of concern to Penn State officials since the University's founding, Mr. Zilly noted. References on water supplies date back to the first annual report of the Board of Trustees in 1857.

Penn State has used various sources to obtain water through the years. Today there are nine active wells on University grounds. Peak water demand periods are between 7 a.m. and 5 p.m. each day during the academic terms. Demand at those times is nearly 4,000 gallons per minute.

"Since the earliest days," Mr. Zilly said, "there has been a history of water system interconnection with the adjoining community."

At various times in past years, the University and the State College Borough Authority — which obtain water from different sources — have shared water when the situation called for it.

There are four connection points between University and Borough Authority water lines, Mr. Zilly said.

The University supplies Centre Community Hospital with water. The Borough Authority meters the use and replaces the supply to the University through a connection at the West Campus Steam Plant, Mr. Zilly explained.

Through this arrangement, the Borough Authority avoided the expense of laying water lines to the hospital.

In addition to conservation and leak detection programs, the University's water plans call for monitoring and developing existing wells, along with examining development of a potential new well field in the Spring Creek area.

Another potential water source is Thompson Springs, near the Benner Pike. Using the spring, however, would require chlorination and other efforts to make the water pure enough for consumption.

Graduate programs will combine French, business

Penn State will institute two new programs of study combining graduate degree work in business with advanced proficiency in the French language and culture. The programs are designed to meet the American business community's obvious and pressing need for professionals with extensive training in foreign languages.

"Using existing resources, the Colleges of Business Administration and the Liberal Arts are prepared to implement both programs immediately," Provost Eddy said. One program will lead to a Master of Business Administration Degree and Master of Arts Degree in French studies; the other, to a Master of Science Degree in

business administration and Master of Arts Degree in French studies.

Dr. Eddy said the MBA-M.A. program will give students a chance to develop general skills in management, with competency in the French language and culture. The MS-M.A. program will offer more specialized training in one area of business administration, such as finance, accounting or marketing, with advanced training in the French language and culture.

Architects to be identified for new Schuylkill center

Officers of the University have been given permission by the Trustees to work with the Schuylkill Campus Advisory Board to initiate procedures to identify architects qualified to design a proposed student-community activity center at Schuylkill.

A fund drive is under way to raise \$500,000 for the activities center, which would contain a 300-seat auditorium/lecture room, a hookstore, food service facility and activities room. The drive is expected to be completed next month.

Williamsport hospital, Hershey affiliation approved

An affiliation agreement between the College of Medicine and Divine Providence Hospital in Williamsport was approved by the Board.

Under the pact, Penn State medical students will be able to choose the hospital for elective clinical clerkships, and a variety of hospital staff members will be able to attend co-sponsored continuing education programs.

Divine Providence becomes the 19th hospital with which the Medical Center has an affiliation.

Physicians from Divine Providence who make significant contributions as volunteer teachers of medical students will receive clinical appointments to the Penn State College of Medicine faculty.

New programs described

Several changes in graduate and undergraduate programs will take effect in the 1981 Summer Term.

The University will offer four graduate health education degrees — the Master of Science, Master of Education, Doctor of Education and Doctor of Philosophy degrees. Previously, health education was offered as an area of specialization within the graduate physical education program.

In addition, Provost Eddy said, Penn State will offer a new Bachelor of Science Degree in wildlife science.

"The program is designed for students

interested in conservation and

management of wildlife species and their

environments," Dr. Eddy explained.

Graduates will be prepared for careers in

wildlife management or in related research

and education areas, or they may go on to

seek advanced training. They will have

fulfilled standards established by The

Wildlife Society and the Federal Office of

Personnel Management for employment as

wildlife biologists.

The program will be kept flexible, Dr.

Eddy said, so that students can design in

part their own courses of study, subject to

faculty approval.

Dr. Eddy also said the two options

within the undergraduate major in

metallurgy — general metallurgy and

extractive metallurgy — are being dropped

from University course offerings because

they have tended to duplicate each other.

The 138-credit major in metallurgy will

continue to be offered but without formal

option designations.

Through appropriate course selection,

students may continue to emphasize a

particular area within the major, he noted.

No additional courses, faculty members

or University funds will be required for

any of these changes.

(Continued on page 6)

PERCENT DEFICIENT OF THE NUMBER OF BEGINNING BACCALAUREATE
FRESHMAN ADMITS BY LOCATION
FOR ADMISSION YEARS 1978, 1979, AND 1980

	MATHEMATICS			ENGLISH		
	1978	1979	1980	1978	1979	1980
CNC	28%	30%	29%	15%	19%	18%
BD	32%	31%	31%	19%	22%	17%
UP	15%	14%	16%	6%	7%	7%

These charts are part of the basic skills report to be submitted to the Senate by the Committee on Undergraduate Instruction at the April 7 meeting.

PERCENT DEFICIENT OF THE NUMBER OF BEGINNING BACCALAUREATE
FRESHMAN ADMITS BY COLLEGE (ALL LOCATIONS)
FOR ADMISSIONS YEARS 1978, 1979, AND 1980

	MATHEMATICS			ENGLISH		
	1978	1979	1980	1978	1979	1980
AG	27%	26%	30%	14%	21%	18%
A&A	33%	28%	33%	8%	11%	7%
BA	16%	22%	20%	13%	16%	15%
EMSC	7%	9%	5%	9%	10%	4%
ENR	45%	43%	44%	14%	16%	15%
EDG	5%	6%	7%	11%	12%	10%
HPER	42%	51%	43%	17%	31%	23%
HD	38%	39%	36%	14%	16%	12%
LA	35%	35%	32%	7%	9%	8%
SC	8%	8%	9%	5%	6%	7%
DUS	39%	41%	43%	24%	29%	25%
BD	--	25%	23%	--	11%	11%

Trustee docket

(Continued from page 5)

Gifts announced

The University, through its Office of Gifts and Endowments, has developed 11 new programs for assisting students, recognizing outstanding achievement and supporting other activities at the University.

The privately funded programs include:

— The William J. and Lois Kesterson Leight Memorial Fund, which will provide guest speakers and artists, scholarships in art, music and engineering, and art objects for the University Museum of Art and College of Engineering. The initial principal is a gift from Col. Leight, a 1934 electrical engineering graduate who lives in Hampton, Va. Two-thirds of the fund's income will be awarded, alternately, to the Colleges of Arts and Architecture and Engineering for the above purposes, with the remaining third returning to the principal. Scholarships are for one year, and are non-renewable.

— The David J. Peery Award, to recognize annually an outstanding graduating senior majoring in aerospace engineering. The initial principal is a gift from friends, colleagues and former students of Dr. Peery, who established Penn State's aerospace engineering department in 1942 and served as its head until 1954. Each award is for one year. Only seniors graduating at the end of Spring Term are eligible.

— The International Association of Holiday Inns, Inc., Scholarship, to help needy senior students enrolled in the service administration option of food service and housing administration. The association will make an annual contribution for the award. Scholarships are one-year, non-renewable awards.

— The College of Science Academic Review and Scholarship Fund, which has the two-fold purpose of providing for regular academic reviews and evaluations of departments within the College of Science for the sake of improvements, and also providing scholarships for outstanding students in the College. The fund's initial principal was an anonymous donation to the University. The Dean of the College will designate the portions of the annual fund earnings to be used for scholarships and evaluations, and each department will be examined according to a schedule drawn up by the Dean. Scholarship recipients will be chosen according to demonstration of, or potential for, academic excellence.

— The John Ormsbee Simonds Honor Award, to recognize annually outstanding students of landscape architecture. The fund's principal has been contributed by Penn State faculty, friends and alumni in honor of Mr. Simonds, a prominent Pennsylvania landscape architect. Landscape architecture students of at least junior standing with superior academic records in the field who show potential for great professional contributions are eligible.

— The John E. Flynn Memorial Illumination Research and Scholarship Fund, which has the two-fold purpose of assisting graduate and undergraduate architectural engineering students conducting research projects in illumination, and providing scholarships for any such students desiring to emphasize illumination studies in their coursework. The initial principal of the fund is a gift to the University from the Illuminating Engineering Research Institute in honor of the late Dr. Flynn, an internationally recognized professor of architectural engineering at the University. Both grants and scholarships will be given to architectural engineering students with an interest in illumination studies and demonstrated or potential academic excellence.

— The John Danhouse Martz Jr. Scholarship, which will help outstanding College of Agriculture students. The initial principal is a gift from Col. Martz, a 1928 graduate in agricultural education, and Margaret Sipe Martz, both of Clearwater, Fla. Undergraduate students in the College with superior academic achievements and a need for financial aid to complete college are eligible.

— The Accu-Weather Scholarship, which will recognize outstanding senior meteorology students with superior capabilities in weather forecasting. Accu-Weather, Inc., of State College will make an annual contribution for the scholarship. Two awards will be given each year on recommendations from the weather-prediction faculty. Awards are for one year and are not renewable.

— The James M. Driscoll Scholarship, to give financial aid to students at Fayette. The initial principal of the scholarship is a gift from Mr. Driscoll, of Addison, Pa. He served on the Fayette Campus Advisory Board from its inception until May 1979. Full-time students at the Campus who have demonstrated good citizenship and have financial need are eligible. Recipients will be selected by the Scholarship Committee of Fayette Campus.

— The Penn State Men's Varsity Fencing Scholarship, which will honor outstanding students with fencing ability, a commitment to scholarship and a record of participation in extracurricular activities. The fund's initial principal comes from combining the assets of the Penn State Men's Varsity Fencing Award with gifts from alumni and friends of the University. Students of at least sophomore standing with the above qualities are eligible.

— The Shenango Valley Campus Advisory Board Scholarship, to recognize outstanding students at Shenango Valley. The initial principal was donated by the Campus Advisory Board. All awards will be made from the fund's earnings. The number and amount of scholarships will be decided by the Shenango Valley Scholarship Committee which also will award the scholarships with approval of the Office of Student Aid.

Contributions to any of the fund's principals may be made by interested parties.

Arts Roundup

Gewandhaus Orchestra to perform April 3

Long considered one of the world's finest musical ensembles, the Gewandhaus Orchestra of Leipzig will perform Friday, April 3, at 8:30 p.m. in Eisenhower Auditorium as part of the Artists Series Music Series.

Founded in 1743 as the Collegium Musicum with Johann Sebastian Bach as its leader, the orchestra acquired its current name from the Gewandhaus, the building that housed the linen merchants of Leipzig where it began performing later in the 18th century.

Among its renowned conductors have been Felix Mendelssohn, Arthur Nikisch, Gustav Mahler, Bruno Walter, and Wilhelm Furtwaengler.

Kurt Masur, formerly the conductor of the Leipzig Opera House, was appointed Music Director of the Gewandhaus Orchestra in 1970. A musician of world stature, he has participated in major music festivals, including that at Salzburg, and has conducted the Dresden Staatskapelle, Leningrad Philharmonic, and New Philharmonia of London. Mr. Masur's extensive recordings include all the Beethoven and Schumann symphonies and all the Mozart and Prokofiev piano concertos.

At Penn State the Gewandhaus Orchestra will perform Mendelssohn's Overture to *Ruy Blas*, Schumann's Symphony No. 1 ("Spring"), and Beethoven's Symphony No. 7.

Tickets are now on sale at the Eisenhower Auditorium box office and HUB booth, 9 a.m. to 4 p.m., weekdays. Phone orders to Mastercard/Visa are accepted at 863-0255 during hours of sale.

Argento to be in residence April 6-11

In conjunction with the premiere of his new work for the Pennsylvania Bicentennial, Dominick Argento will be in residence at University Park during the week of April 6-11.

Several public events involving the composer have been scheduled.

The week will culminate with the first public performance of "Peter Quince at the Clavier," the work commissioned from Mr. Argento by the Institute for the Arts and Humanistic Studies for the Penn State Singers.

The premiere is scheduled for 8:30 p.m. Saturday, April 11, in Schwab Auditorium. The concert, which will also include Mr. Argento's "Queen of Tonga Suite" to be sung upon Waters, "is open free to the public."

Other public events of the Argento residency are:

Two programs of the composer's music performed for School of Music Common Hours at 1 p.m. Tuesday, April 7, and Thursday, April 9, both events in the Music Building Recital Hall.

A public lecture by Mr. Argento at 8 p.m. Tuesday, April 7, in Room 102 Forum Building; and

A performance of "The Queen of Tonga Suite" by Musica da Camera at 2:20 p.m. Wednesday, April 8, in the recital hall.

Flutist to play

Jeanne Swack, flutist and an instructor in the School of Music, will present her first campus recital Monday, April 6, at 8:30 p.m. in the Music Building Recital Hall.

Her program includes the Sonata in E Flat Major by J.S. Bach; Cesar Franck's Sonata in A Major; Fantasie, opus 79 by Gabriel Faure; and Prokofiev's Sonata in D Major, opus 94.

Harpisichordist June Miller, an associate professor of music, and pianist Philip Dettra, an assistant professor of music, will provide accompaniment for the recital.

Ms. Swack plays the Baroque flute, the recorder and the viola da gamba as well as the flute. She received her B. Mus. and M. Mus. degrees in performance from the University of Southern California.

Alumni Fellows

(Continued from page 1)

founding of the Medical Center, working out all the legal requirements, including the transfer of \$50 million from the Hershey trust to Penn State. He is now a member of the Advisory Board of Capitol Campus.

Currently an adjunct professor of law at Dickinson, from which he also received an honorary LL.D. in 1967, Mr. Nurick served as president of the Pennsylvania Bar Association and was the first recipient (1978) of its Medal for Distinguished Service.

Penn State Intercom

Dr. Hayes to be FDA director

A Hershey faculty member, Dr. Arthur Hull Hayes Jr., has been named Commissioner of the U.S. Food and Drug Administration.

The appointment was made last week by Richard S. Schweiker, Secretary of Health and Human Services.

Dr. Hayes will assume his new responsibilities April 13.

President Oswald, on learning of Dr. Hayes's appointment, issued the following statement: "I congratulate Dr. Hayes on this important appointment as Commissioner of the U.S. Food and Drug Administration. In the name of the University, its Board of Trustees, and all his colleagues and friends, I wish him every success in this challenging position of public trust. The tradition of Penn State has always been one of dedication and service to the public. Many of Dr. Hayes's fellow faculty members have responded to the call to give their time and talents to work for the betterment of their fellow citizens in critical areas of health and human welfare, reflecting in a most positive and productive manner the spirit of the University. Dr. Hayes's appointment and acceptance of this demanding and sensitive position are



Dr. Hayes

entirely consonant with his character and that of the University. We shall miss him as a valued member of our faculty, but assure him of our wholehearted encouragement and support with his new responsibilities. We are certain he will discharge his duties of professionalism, bringing credit upon himself, his profession and the University."

(See related story, page 6.)

Engineering Dean named

Dr. Wilbur L. Meier Jr., head of the School of Industrial Engineering at Purdue University for the past seven years, has been named dean of the College of Engineering, effective July 1.

President Oswald, in announcing the appointment, indicated that final ratification by Penn State's Trustees will take place at their May meeting.

Dr. Meier, 42, will succeed Dean N. J. Palladino, who has announced plans to step down to finish his career in writing, teaching and research. Dean Palladino will become a University professor.

"This appointment is the result of a careful nationwide search involving many able people," Dr. Oswald said. "I feel that the University is fortunate indeed that Dr. Meier will be joining us in July."

Dr. Meier, who has been at Purdue since 1974, has built a national reputation as a scholar, academic administrator and engineering consultant.

"His record at Purdue speaks for itself," Provost Eddy commented. "In a comparatively short time, he made the industrial engineering program at his school one of the finest in the country at both undergraduate and graduate levels. Dr. Meier is a creative, aggressive



Dean Meier

administrator and a top-quality educator." Dr. Eddy further noted that Dr. Meier's efforts at Purdue led to improvements in the quality of both programs and facilities. Externally funded research increased from \$281,000 to more than \$1.2 million under his leadership.

A 1962 graduate of the University of Texas at Austin, Dr. Meier earned the

(Continued on page 4)

News in Brief

Faculty-staff perceptions to be surveyed by Senate

The University Faculty Senate mailed a limited number of survey questionnaires on April 6 to a representative sample of University faculty and staff members at all locations.

The survey has two purposes—to determine the current perceptions of the institutional functions of the University and the goals that Penn State should have as it sets its priorities for the '80s.

The questionnaire measures perceptions along 11 scales: (1) Intellectual-Aesthetic

Extracurriculum, (2) Freedom, (3) Human Diversity, (4) Concern for Improvement of Society, (5) Concern for Undergraduate Learning, (6) Democratic Governance, (7) Meeting Local Needs, (8) Self-Study and Planning, (9) Concern for Advancing Knowledge, (10) Concern for Innovation, and (11) Institutional Spirit.

The Senate commissioned a similar study in 1970, using the same questionnaire. That survey was conducted by Dr. Richard E. Grubb, who is now senior vice president for administration. The present study is intended to update the 1970 report since the earlier data are 10 years old.

All responses will be considered confidential. When a report on the outcome of the study is prepared for the

Senate—probably sometime next fall—only aggregate data will be reflected.

Anyone wishing further information should contact Owen F. Cargol, project director of the study, at 863-0221.

Fund campaign a success

More than \$666,000 has been raised in the "Partners in Progress" campaign for a Student-Community Activity Center at the Schuylkill Campus.

Announcement of the total, which exceeded the goal of \$500,000, was made at a March 24 victory dinner where Joseph H. Jones and Lewis M. Koch, general co-chairmen of the drive, presided at a meeting of team captains, volunteers and

executive committee members.

Special Gifts Division co-chairmen Albert H. Foltin and George M. Gebhardt announced that their division had exceeded its \$100,000 by more than \$40,000, with more contributions yet to be reported.

Merged units named

The Commonwealth Educational System is the new name of the administrative unit formed by the merger of the Continuing Education and Commonwealth Campus systems.

Penn State's Board of Trustees has approved the new designation.

(Continued on page 4)



Dr. MacCluer

Correlating fertility with genetic variability

Editor's Note: This article, in which a faculty member describes her on-going research, is one in a new series which INTERCOM will publish from time to time.

By Jean W. MacCluer
Associate Professor of Genetics

I am an avid non-skier, and I've always known that someday my good sense would be rewarded. The payoff came about two years ago at Keystone, Colorado, a popular ski resort and conference center. After an exhausting three and a half day meeting, while most of my colleagues took to the slopes in search of compound fractures, I sat in front of a fire and renewed my acquaintance with another non-skier whom I had known in graduate school at Michigan, and who was now at the University of Rochester Medical School.

Our scientific interests had never been very similar. I was a human population geneticist with a fascination for evolutionary theory, and he was a physician trained in biochemical genetics. However we discovered that since our graduate school days, our work had converged to a remarkable extent. I had become interested in the possibility that much of the genetic variability which we see in humans and other species might be accounted for by subtle, genetically determined differences in fertility between individuals; and he had begun to see evidence for just such a fertility differential associated with genetically determined differences in a particular blood protein called transferrin. His data came, not from humans, but from Standardbred horses. His preliminary findings were all the more exciting because

fertility effects associated with transferrin had also been found in other species, including cattle and pigeons.

We both realized that a combination of mathematical and biochemical expertise would be required to do a thorough study of this phenomenon. We applied for and received NIH funding to pursue the investigation of fertility.

At this point, nine months after the beginning of our collaboration, we are a little closer to understanding the nature of the transferrin effect: it appears that foals who have received different types of transferrin genes from each parent and are thus heterozygotes (as opposed to homozygotes, who receive two of the same type) are less likely to be stillborn. One can think of at least two explanations for this finding. First, we know that transferrin is

(Continued on page 5)

Penn Staters

Dr. James Garbarino, associate professor of human development, presented the keynote address at a symposium on "The Child and the City" held March 26-28 in Tokyo. His topic was "The Child as an Organism: Implications for Family Structure." The symposium was sponsored by the National Institute for Research Advancement, the International Pediatric Association and the Japan Pediatric Association.

Ray T. Fortunato, assistant vice president for personnel administration, has been responsible for the production of a Ford Foundation-funded monograph on tenure and retrenchment policies and practices in over 1,000 institutions of higher education. Kathryn M. Moore, associate professor of education in the Center for Higher Education, contributed a chapter on the history of tenure in the United States. The monograph was published by the College and University Personnel Association as its Fall-Winter 1980 issue of *The CLUPA Journal*.

"Museum Education and Society: Relevance Today" was the title of the keynote address presented by Dr. Robert W. Ott, associate professor of art education, at a conference on "Orientations: Art, Culture and the Museum" at Concordia University in Montreal.

Dr. Gerald M. Phillips, professor of speech communication, recently presented an invited lecture, "Conversation Analysis and Human Discourse," at the University of North Carolina-Chapel Hill. Dr. Phillips has also been selected as editor of *the Communication Quarterly*, the journal of the Eastern Communication Association, for the 1982-83 volumes.

Two intro-prints by Peter Jogo, assistant professor of art, have received purchase awards at two major printmakers' exhibitions. "Runways," part of the 8th International Print Exhibition held at the Pratt Graphics Center's Pratt Manhattan Center Gallery, received the Dr. and Mrs. Paul Bradlow Purchase Award of \$200. A lithograph by Professor Jogo, "1-80-90," was also included in this exhibition.

A corporate purchase award from the Shamrock Management Corporation was given to Professor Jogo for "Untitled," which was on display at the Charlotte Printmakers 4th Annual Eastern United States Print Exhibition in Charlotte, N.C.

Recent activities of Philip Klass, professor of English, include serving as a visiting professor at John F. Kennedy University, a lecture at Mills College on "The Morality of Early Science Fiction," and acting as toastmaster at the fourth annual Science Fiction Convention, held in Seattle for practitioners and enthusiasts in the northwestern United States.

Dr. Peter Gould, professor of geography, recently gave two invited lectures at the Department of Geography of the University of the West Indies in Kingston, Jamaica. His topics were "Expanding Our View of the Map" and "A Contemporary Introduction to Human Geography."

Carpoolers

Ed Lopuski, Room 213 Deiker Building, seeks drivers and/or riders for a carpool between Rolling Meadows Estate (in the Howard-Jacksonville area) to arrive on campus at 8 a.m. and depart at 5 p.m. Mon.-Fri. He can be reached days at 863-1665 or evenings at 625-2864.



William Damerst

25-year chairs

This year marks the 25th year William A. Damerst, professor of English, has served on the University faculty.

Professor Damerst, whose fields of specialization are technical writing and business writing, has authored several books, including *Resourceful Business Communication* and *Clear Technical Reports*, both published by Harcourt Brace Jovanovich. He also has published three study guides — *Business Writing*, *Technical Reports and Technical Writing* — all of which have generated revised editions. He further has published a completely revised edition of *Technical Reports* for use as a correspondence study guide, and the second edition of *Clear Technical Reports* is scheduled for publication next year.

A frequent contributor to professional journals, Professor Damerst has had articles appear in publications of the American Business Communication Association (ABCA) and in those of the Society for Technical Communication. This fall, he will present an invited paper during the International Convention of the ABCA, to which he was named a Fellow in 1972.

Professor Damerst, who is active in a number of professional organizations, has served as regional vice president, vice president and resident of the ABCA.

At Penn State, he developed the English Department's "Advanced Technical Writing" course and has taught other courses in technical writing. He also



Marian Lohr

teaches humanities courses such as modern science and human values.

In 1959, Professor Damerst authored a writer's manual, *Good Gulf Letters and Reports* (published by the Gulf Oil Corporation); and that same year, he received the Gulf Aid to Education Grant, which he was re-awarded the following year. As a result of his work, the English Department received a non-restricted Gulf Oil grant in 1961.

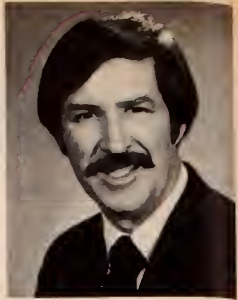
Professor Damerst received his B.S. degree from the University of Illinois (1946) and his M.A. degree from the University of Massachusetts (1955). After joining the University faculty as an instructor in 1955, he was named assistant professor in 1960, associate professor in 1965 and professor in 1972.

Marian M. Lohr, food preparer in the Department of Housing and Food Services, recently enjoyed an informal luncheon in honor of her 25 years as a University employee.

Mrs. Lohr was joined in the Donovan Room of the HUB not only by University personnel, but also by her husband, Charles, and her daughter, Ruth Ann.

After beginning her University employment as a counter assistant, Mrs. Lohr advanced to assistant food preparer in 1967 and to food preparer in 1970. She has spent her entire University tenure in Waring Dining Hall, where she is responsible currently for assisting with the preparation of breakfast and lunch.

Not surprisingly, Mrs. Lohr enjoys cooking in her free time, as well as crocheting and relaxing around the house.



Ronald L. Wiser

Ronald L. Wiser, systems analyst in microfilmatics in Management Services, is observing his 25th year of University employment this month.

It's been an eventful tenure for Mr. Wiser, who has been on the cutting edge of Penn State's implementation of state-of-the-art electronic technology.

After working as a tabulating operator and then as a computer programming operator, he became supervisor of computer operations in 1967. The latter promotion, he notes, occurred on "the day computer operations moved into Shields Building after 12 years in Old Main."

When the microfilmatics department was formed in 1971, he was named supervisor of microfilmatics and computer operations, and assumed his present position a year later.

Mrs. Wiser designs and plans "all types of microfilmatics systems," both conventional and computerized. Penn State, he explains, "is using microfilm and microfiche to replace huge quantities of paper in the keeping of records, with obvious benefits in the saving of space."

Furthermore, microfilm and microfiche — like other information — may be stored on computers, thereby making recall of the information quick and available to more people through computer terminals.

Mrs. Wiser says there's "always something new and exciting" in his work. Because Penn State has been one of the leaders in installing sophisticated micrographic technology, he is frequently called on to give seminars and demonstrations at other institutions.

Partings

Robert S. Struble, supervisor-facilities and services in the College of Agriculture, retired April 1 after working for the University since 1947, but his association with Penn State began much earlier.

"I was actually born at the University," Mr. Struble says, explaining that he was born on University Farm Number 5, near Houlierville, where his father was employed by the Department of Animal Husbandry. His mother also worked for the University in Housing and Food Services.

In his most recent position, Mr. Struble was responsible for supervising the care of vegetable crops in one of the greenhouses adjacent to Tyson Laboratory. He also has worked for the College of Agriculture in Buckhout Laboratory and in the field, where he assisted with crop pollination.

Noting that he lives on a farm in Runville with four of his children, Mr. Struble says he plans to continue working with crops and raising vegetables for canning. Of his children, Ellen Jean is a senior at the University. Robert attended the Wilkes-Barre Campus, and James and Wendy Ann are high school students. A fifth daughter, Sharon Horner, works in State College.

His family affiliations with Penn State also include three sisters and a brother. Helen Ishler, who retired as a laboratory technician in 1977 from the Department of Plant Pathology; Jane Baughman, a secretary in Military Science; Mary Ellen

Corl, an accounting clerk in student loans and scholarships; and Harold, a guard at the Applied Research Laboratory.

Mr. Struble — who served with the 8th Air Force in Europe and America during World War II — is a member of the Bellefonte VFW and the Milesburg American Legion. He also is active with the Runville Little League.

Mary L. Heckman, dining hall worker in Housing and Food Services, will retire April 11. She has been a University employee since Sept. 17, 1961.

Lois H. Shay, a janitorial worker with Physical Plant, is retiring May 1 after being employed since July 1, 1962.

Beulah B. Behrer, residence hall worker in the Department of Housing and Food Services, will retire May 1 after working for the University since Jan. 23, 1969.

Rose Ann Bobak, a secretary in the Office of Planning and Budget, left her job on Jan. 7. She had been a staff member since Sept. 1, 1967.

Carol J. Gordon, a senior clerk in the University Libraries, left the University March 6. She had been employed since Jan. 1, 1969.

Obituaries

Dr. Irwin L. Baird, professor of anatomy at the College of Medicine, died April 1. He was 56 years old.

Dr. Baird joined the faculty in 1967, one year after the founding of the College. He had earned B.A. and M.A. degrees in zoology at the University of Kansas and his doctorate in biology at Harvard. A member of the editorial board of *The Anatomical Record*, he taught at the University of Tennessee before coming to Hershey.

Donald F. Spooner, research associate in the College of Engineering, died April 1. He was 60 years old.

A 1943 honors graduate of Susquehanna University, Mr. Spooner came to Penn State in 1945 as an instructor in the College of Engineering. Prior to assuming his most recent position in 1964, he was a research assistant, public relations officer, safety officer and secretary of the industrial and professional advisory council, all in the College.

Robert W. Eisenhart, a mail carrier with Business Services at his retirement in 1975, died March 28 at the age of 65. A native of Steelton, he worked at the University from 1949 to 1954 and again from 1960 to 1975. He was employed by Physical Plant at first, holding the position of janitor group leader before his transfer to Business Services in 1967.

C. Ruth Behers, a dining room woman with Housing and Food Services from 1944 to 1953, died March 27. She was born in Bellefonte on April 27, 1893.

University Park Calendar

April 9-19

Special Events

Thursday, April 9
School of Music Common Hour, 1 p.m., Music Bldg. Recital Hall. Music by Dominick Argento.
Sports: tennis (men) vs. Howard, 2:30 p.m.; baseball vs. Juniata, 3 p.m.
Agriculture Education lecture, 3:30 p.m., HUB Assembly Hall. Richard A. Baer, Jr., Cornell Univ., on "The Fact/Value Split in the College of Agriculture."
Cinema: *Bedazzled*, 7 and 9 p.m., HUB Assembly Hall. Also April 10.
Colloquy/ISA lecture, 8 p.m., Room 112 Kern. Tim Cullen, World Bank, on "American Attitude Toward Developing Countries."

Friday, April 10
Fixed date for meetings involving Commonwealth Campus faculty. Also April 11. Shaver's Creek Nature Center, overnight trip for children 8 and older, Stone Valley. Registration, 8 a.m.-5 p.m., 865-1851.
Third Annual Slavic Folk Festival, 9 a.m.-10 p.m., Robeson Center.
Craft demo, Janis Mershon, card weaving, 11:30 a.m., Kern Lobby.
Music in Interesting Times, Charles Keil, SUNY/Buffalo, on "Devo: Music from an Anthropological Perspective," 2:20 p.m., Music Bldg. Recital Hall.
Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Frederick Westmeyer, geography, on "Tourists in Mexico: Who They Are, Where They Go, and Why They Matter."
Commonsplace Theatre, *Sweet Atomy*, 7 and 9 p.m., Room 112 Kern. Also April 12.
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.

Artists Series, Vincent Price as Oscar Wilde in *Dimensions and Delights* by John Gay, 8:30 p.m., Eisenhower Auditorium.

Saturday, April 11
Stone Valley boat rentals begin for season. Mineral Industries dock.
Third Annual Slavic Folk Festival, 9 a.m.-5 p.m., Robeson Center.
Sports: lacrosse (women) vs. William and Mary, 1 p.m.; and (men) vs. Drexel, 7:15 p.m.; softball (women) vs. Cortland State (DH), 1:30 p.m.
France-Cinema, *Coteau, Beauty and the Beast*, 7 and 9 p.m., 112 Kern. Also April 13.
Raymond Brown and the University Chorus, premiere performance of "Peter Quince at the Clavier," by Dominick Argento, 8:30 p.m., Schwab.
Student Foundation for the Performing Arts, "Mozart on Fifth," 8:30 p.m., HUB Ballroom.

Sunday, April 12
University Chapel Service, 11 a.m., Eisenhower Chapel. Roosevelt Green, Jr., ministry affairs, PSU Graduate School, speaker.
Sports: softball (women) vs. Ithaca (DH), 2 p.m. Penn State Symphonic Blue Band, Spring Concert, 3 p.m., Eisenhower Auditorium.
Loreta Greiman, flute, 7:30 p.m., Music Bldg. Recital Hall.

Monday, April 13
Visiting artist Caro Antreasian on "Stone, Ink, Paper: A Capsule History of Lithography," 10 a.m. For location, phone 865-0444.
Spring plants and flowers sale, 11 a.m.-3 p.m., Kern Lobby. Also April 14.
Commons film, "The Mood of Zen," noon, Room 112 Kern.
Music in Interesting Times lecture, 2:20 p.m., Music Bldg. Recital Hall. Charles Keil, SUNY/Buffalo, on "Top Forty in China After the Cult of Four."
Sports: lacrosse (women) vs. Slippery Rock, 3 p.m.
Gallery talk on "History and Process in the Evolution of My Work" by visiting artist Caro Antreasian, 8 p.m., Zoller Gallery.

Tuesday, April 14
Visiting artist Caro Antreasian on "Contemporary Printmaking Issues," 10 a.m. For location, phone 865-0444.
HUB Craft Center, 1st session classes end, registration for 2nd session classes begins, noon-5 p.m., Room 312 HUB.
Comp. Lit. Luncheon, 12:15 p.m., Room 204 HUB. Murray Martin, library, on "Speaking Through the Inarticulate: The Art of Frank Sargson."



Lithographer Caro Antreasian will be a visiting artist next week.

Wittgenstein's Vienna seminar, 3:30 p.m., Room 319 Walker. Allan Janik, scholar of Austrian and German intellectual life in the 19th and early 20th centuries, discusses the philosopher Ludwig Wittgenstein.
HPER, registration for children's (K-3rd grade) movement education program, 3:45 p.m., White Bldg. Lobby. Program held Tuesdays, 4-5 p.m., April 14-May 19.
Comp. Lit. Film Series, *Vidas Secas*, 7 and 9 p.m., Room 112 Kern.
Sports: volleyball (men) vs. Pittsburgh, 7 p.m. Yachad lecture, 8 p.m., Room 111 Boucke.
Nimrod Barkan, Israeli vice consul, on "Current Events in the Middle East."
Artists Series, Heinz Holliger, oboist, 8:30 p.m., Schwab.

Wednesday, April 15
Commons concert, Stan Shepherd, noon, Kern Lobby.
Colloquy lecture, 8 p.m., Eisenhower Auditorium. Gerard K. O'Neill, physics, Princeton Univ. and Space Studies Institute, on "The High Frontier—Space Colonization and Energy from Space."
Mu Phi Epsilon concert, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, April 16
Commons Concert, Phi Mu Alpha Band, noon, Kern Lobby.
Sports: lacrosse (women) vs. Temple, 3 p.m. Sigma Xi initiation and reception, 4 p.m., Nittany Lion Inn.
Cinema: *The Gospel According to St. Matthew*, 7 and 9:30 p.m., HUB Assembly Hall. Also April 17.
HUB Craft Center open house, 7:30-9:30 p.m., Room 312 HUB.
Blacks Arts Festival, Miss Black PSU Pageant, 8 p.m., Schwab.

Friday, April 17
Shaver's Creek Nature Center, "Ecoventure" for 5th and 6th graders, 4 a.m. to Sunday, Stone Valley. Information, 8 a.m.-5 p.m., 865-1851.
Sports: track (women), Lady Lion Relays, 10 a.m.; volleyball (men) vs. George Mason, 7 p.m.
Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Arthur Anderson, architecture, on "Post Modernism."
Commonplace Theatre, *And Justice for All*, 7 and 9 p.m., Room 112 Kern. Also April 19.
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, April 18
Fishing season opens at Stone Valley.
Sports: tennis (women) vs. William and Mary, 9 a.m.; track (men), Memorial Invitational, noon; baseball vs. Robert Morris (DH), 1 p.m.; softball (women) vs. Rutgers (DH), 1 p.m.
Shaver's Creek Nature Center, kite-flying workshop, 2 p.m., Stone Valley. Registration, Mon.-Fri., 865-1851.
France-Cinema, *14th Tournee of Animation*, 7 and 9 p.m., Room 112 Kern.

Sunday, April 19
Shaver's Creek Nature Center, bird walk breakfast, 7 a.m. (registration, Mon.-Fri., 865-1851); wildflower workshop, 2 p.m., Stone Valley.
HUB Craft Center, 2nd session classes begin, Room 312 HUB.
University Chapel Service, 11 a.m., Music Bldg. Recital Hall. University Chapel Choir Easter Service, Tommie Irwin, director.
Tracey Layer, oboe, and Maureen Haley, piano, 3 p.m., Music Bldg. Recital Hall.

Seminars

Thursday, April 9
Nuclear Engineering/Solid State Science, Robert W. Ramsey, Jr., Dept. of Energy, on "Remedial Actions in Nuclear Waste Management," 3:55 p.m., Room 189 MRL (new listing).
Mathematics, P.J. Davis, Brown Univ., on "Circulants and Fourier Matrices," 4 p.m., Room 102 McAllister (new listing).
Statistics, G.P. Patel, statistics, on "Weighted Distributions and Size Biased Sampling with Applications," 4 p.m., Room 62 Willard (new listing).

Friday, April 10
Analytical/Physical Chemistry, Glenn Brown, Kent State Univ., on "Properties, Structure and Application of Liquid Crystals," 2:30 p.m., Room 333 Whitmore.

Monday, April 13
UDIS, "Enhancing Classroom Communication," Part II, 2 p.m., Room 128 Mitchell. Reservations and information, 863-0668. Also April 14.

Tuesday, April 14
Applied Research Lab, Ralph Seeley, engineering research, on "Switching Mode Power Supplies," 10:45 a.m., Walker Conference Room, Applied Science Bldg.
Metallurgy, J. Fritz, grad. asst., on "Electrochemical Behavior of Iron-Phosphorus Alloys," 11 a.m., Room 301 Steidle.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Environmental Pollution Control, Dana Wirries, land and water research, on "Analytical and Sampling Pitfalls in Hazardous Waste Monitoring," 2:20 p.m., Room 128 Sackett.
Chemical Engineering, Eduardo D. Glandi, Univ. of Pa., on "Distribution of Molecular and Colloidal Solutes in Micro pores," 3:45 p.m., Room 140 Fenske.
Plant Pathology, Garfield Thomas, grad. student, on "Expected Economic Impact: A Model for Ranking Potential Emigrant Pests," 3:55 p.m., Room 213 Buckhout.

Thursday, April 16
Ceramic Science and Engineering, Michael R. Notte, Lehigh Univ., on "Solid Solution Additives and Microstructure Modification During Densification of NiO and CoO," 11 a.m., Room 301 Steidle.
Chemistry, Robert Barker, Cornell Univ., on "Studies with Carbon-13 Enriched Carbohydrates," 12:45 p.m., Room 333 Whitmore.
Anthropology, Derek F. Roberts, Univ. of Newcastle-upon-Tyne, on "The Biology of Human Isolates," 3:30 p.m., Room 107 Carpenter.
Agronomy, Bessie Blumberg, grad. student, on "Evaluating Soil Conditioners," 3:55 p.m., Room 111 Tyson.
Physics, John Vossen, RCA Research Labs, on "Thin-Film Deposition and Etching Processes," 3:55 p.m., Room 445 Davey.

Friday, April 17
Physical Analytical Chemistry, Abraham Bahta and Sonia Vasquez-Garcia, grad. students, on "Reactions of Peroxy Radicals with NO and NO₂ and the Decay of Peroxynitrites," 11 a.m., Room 333 Whitmore.
Physical Chemistry, Donald Smyth, Lehigh Univ., on "Non-Stoichiometry and Its Effect on the Properties of Metallic Oxides," 2:30 p.m., Room 333 Whitmore.
Geosciences, Irwin Remson, Stanford Univ. and Birdsall Distinguished Lecturer, on "Optimal Groundwater Management," 3:45 p.m., Room 22 Deike.

Exhibits

Chambers Gallery: Undergraduate Art Education Student Exhibit, opens April 13.
HUB Galleries: Third Annual Slavic Folk Festival Exhibit, Art Alley, Jim Weigle, landscapes of handmade paper, Bowstring Gallery, Benny Andrews, paintings, The Gallery.
Kern Gallery: John Seitz, glass work, Mary Weidner, drawings, PSU Dept. Juried Photography Exhibit.
Museum of Art: Recent acquisitions to the Museum's collection. Selected works from the collections of Mimi and Sanford Feld and Samuel Galla. Selections from the Museum's American collection. Watercolors from the permanent collection.

Pattee Library: Mary Barnes, drawings and paintings, East Corridor Gallery. Paul Flexner, drawings, Lending Services Lobby. Andrew Peak and Thomas Hubben, ceramics and ceramic sculpture, Main Lobby. "Photography and Humor," arranged by G. and L. Greenhill and B. H. Henrich, Rare Books Room. Mi Park, paintings, through April 16. Frank Schraeder, paintings, opens April 16, West Pattee Lobby.

Visual Arts Zoller Gallery: Visiting Artist Exhibition, through April 12; Caro Antreasian, April 13-14.

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Research agreements renew Penn State-China relationship

It's unofficially known as "The Penn State House," but it isn't located in Pennsylvania, or even in the United States.

Rather, it is located in China, on the campus of Doctor Sun Yat-sen University, where it symbolizes a China-Penn State "connection" dating back to 1907.

Penn State's College of Agriculture and the South China Agricultural College (SCAC) — which traces its roots to Sun Yat-sen University and a founder who was a Penn State graduate — have entered into agreements for three collaborative research projects.

"These projects, which will focus on poultry genetics and management, vegetable production, and integrated pest management, mark a return to a Penn State-China relationship that, until its interruption in the late 1940s, had been most fruitful," said Dr. Robert McAlexander in announcing the agreements.

Under terms of the agreements, Penn State and SCAC will exchange researchers in each of the three project areas, with the first exchanges expected to begin next fall.

Dr. McAlexander explained that project leadership from Penn State will be provided by:

- Dr. Kenneth Goodwin, head of the division and professor of poultry science, who will direct the poultry genetics and breeding project. The researchers will focus on developing breeding stock and on nutrition problems associated with nutrition, insects, diseases and poultry management.

- Dr. Ernest Bergman, professor of plant nutrition, who will head the project on vegetable production and management. The project will address such problems as plant nutrition, plant and soil analyses, fertilizer applications, and testing Chinese vegetable varieties for possible adoption in Pennsylvania.

- Dr. David MacKenzie, associate professor of plant pathology, who will direct the research on integrated pest management. This project will focus on the use of selective pesticides, selection for resistance, virus control, surveys, and mathematical modeling.

In addition to the research projects, Penn State and SCAC are completing agreements under which Chinese students would enroll at Penn State through assistantships provided by the College of Agriculture.

The College also is making available to the Chinese a "Groff Fellowship," named in honor of the late George Weidman Groff, a 1907 Penn State alumnus who, shortly after his graduation, began the Penn State-China "connection."

"Daddy" Groff, as he was known, developed a College of Agriculture (now SCAC) at Lingnan University (now known as Sun Yat-sen University). As dean of Lingnan's agricultural programs, Mr. Groff brought Penn State students to China and eventually helped plan exchange scholarships between Lingnan and Penn State, which remained in existence from 1935 until World War II.

In addition, a provision was made for numerous Lingnan faculty members to study at Penn State under assistantships and a "Penn State in China" Committee was formed on the University Park campus to assist with various aspects of the program.

Among other activities, the committee collected money at University chapel services from 1911 to 1952 and sent these funds to Professor Groff in China, and later to Florida, where he continued to grow and experiment with Chinese plants. Professor Groff died in 1954, and after his widow's death in 1972, a \$100,000 scholarship fund was established from their estate. In addition, the Penn State Room in Pattee Library received a large collection of Professor Groff's books, notes and botanical information.

All Penn State programs at Lingnan, however, were terminated in 1949, after a period of 42 years.

In 1952, the College of Agriculture at Lingnan was moved to a new location and renamed the South China Agricultural College. Many members of that faculty, who were associated with Professor Groff, are still at SCAC.

The renewal of ties between Penn State and SCAC began in 1974 when President



In 1974, while leading a Penn State delegation to China, President Oswald visited "The Penn State House" with a Chinese official.

Oswald led a delegation to China. While in China, Dr. Oswald visited Sun Yat-sen University (where the Chinese remember the former "Groff House" as "The Penn State House"), thereby renewing — during the Cultural Revolution — communication that had been cut off by the Communist Revolution.

Two years ago, Dr. James M. Beattie, dean of the College of Agriculture, traveled to SCAC and made arrangements for signing a mutual, collaborative agreement, opening the way for further discussion about specific projects.

Then, just after last Christmas, Drs.

Goodwin, Bergman and MacKenzie went to China to formulate specific proposals for the three research projects that have since been agreed upon. Their Chinese counterparts also will visit Penn State.

"We're quite enthusiastic about the agreements and anticipate that our collaborative research projects with the Chinese will prove very beneficial to both SCAC and Penn State," Dr. McAlexander concluded, noting that "it's good that the building referred to as the 'Penn State House' is now a symbol of the future as well as of the past."

Staff Vacancies

The following vacancies for positions classified as staff exempt of staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., April 16, 1981. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

PROGRAM ASSISTANT, COMMONWEALTH EDUCATIONAL SYSTEM, CONTINUING EDUCATION, RADNOR CENTER FOR GRADUATE STUDIES AND CONTINUING EDUCATION. Responsible to the Assistant Director, Radnor Center, for planning, organizing, marketing and administering Continuing Education and Graduate programs offered through the Center. Bachelor's degree or equivalent education or training, plus one to two years of effective experience in an administrative area such as program development and coordination, scheduling, registration. Supervisory experience in a University environment highly desirable.

ASSISTANT DIRECTOR OF PERSONNEL, COLLEGE OF MEDICINE, HERSHEY. Responsible to the Director of Personnel, Milton S. Hershey Medical Center, for assisting with the administration of the Medical Center personnel program within University policy. Specifically responsible for coordinating activities involving recruitment and classification under the University's plans, and administration of the University's employee benefits programs and retirement counseling, as well as assisting the Director with employee relations activities by handling routine problems and interpreting University personnel policies and union contracts. Bachelor's degree or equivalent, plus four to five years of effective personnel administration, with specific emphasis in the area of wage and salary administration, labor relations, and employee benefits.

ENERGY EDUCATION SPECIALIST, COLLEGE OF ENGINEERING, UNIVERSITY PARK. Position involves presenting various programs, including Energy Today and Tomorrow, to high school groups, civic and service organizations, employee groups, seminars and institutes. B.S. degree or its equivalent in a physical science, with one to two years of effective experience. Some advanced work in an energy related field, and knowledge of teaching techniques and educational methods. Residence may be maintained in any central Pennsylvania area.

AUDITOR, CONTROLLER'S OFFICE, UNIVERSITY PARK. Responsible to the Audit Manager for performing procedures, adequacy and reliability of records and management information reports, soundness and adequacy of accounting, financial, and other operating controls, and safeguarding of assets within any of the diverse operational, financial and administrative functions or organizations of the University as directed by and under the general supervision of the Audit Manager. Bachelor's degree (or equivalent) in accounting or related field, plus up to and including two years of effective experience.

CLASSIFICATION ANALYST, OFFICE OF PERSONNEL ADMINISTRATION, UNIVERSITY PARK. Responsible to the Manager for assisting in various administrative duties related to the University's various employee classification plans. Gather information for review of existing positions or the classification and evaluation of new positions. Write job descriptions based on the completed data. Assist in conducting research, surveys and compiling data for a wide variety of special projects and reports. Bachelor's degree or equivalent, preferably in personnel administration or industrial engineering, plus a minimum of one to two years of effective administrative experience preferably in job evaluation and classification activity.

ASSISTANT TO THE DIRECTOR, EXECUTIVE PROGRAMS, BUSINESS ADMINISTRATION, UNIVERSITY PARK. Responsible to Director for assistance in the research, marketing, and administration of new and existing Executive Programs of two weeks and four weeks residence education for corporate executives. Duties include writing brochures and administering production, planning direct mail campaigns, and producing advertising copy. Master of Business Administration or equivalent, plus one year of

marketing experience. Position funded until June 30, 1982.

There are positions in certain work units that, because of the large number of such positions, frequently are still available after employees in the work unit have been considered. They are listed below and will not be listed on an individual vacancy basis. Application for such positions may be made at any time, and you are welcome to make your interests known now to the Employment Division for future consideration when such vacancies occur. These positions are:

POSITION TITLE	LOCATION
Assistant Coordinators	Student Affairs
Assistant I/O Supervisors	Housing and Food Services
Computer Operators	IRP
Shifts: 8:00 a.m. to 4:30 p.m. 4:30 p.m. to 1:00 a.m. 12 midnight to 8:00 a.m.	
Programmers	Management Services
Residence Hall Area Coordinators	Student Affairs
Cardiology Technicians	Hershey
Clinical Laboratory Assistants	Hershey
Clinical Laboratory Technologists (HEV)	Hershey
Critical Care Monitoring Technicians (Jr. & Sr. Levels)	Hershey
Cytotechnologists	Hershey
Licensed Practical Nurses	Hershey
Medical Technologists (CLIA, MLT, CLT-HEV)	Hershey
Nuclear Medical Technicians	Hershey
Perfusionists	Hershey
Pharmacists	Hershey
Physical Therapists	Hershey
Physician's Assistants	Hershey
Psychiatric Assistants	Hershey
Radiology Technicians	Hershey
Research Technicians	Hershey
(Jr. & Sr. Levels)	
Respiratory Therapy Technicians	Hershey
Staff Nurses	Hershey

Engineering Dean

(Continued from page 1)

M.S. degree there in 1964 and the Ph.D. in 1967.

He joined the faculty of Texas A&M University in 1967 as an assistant professor of industrial engineering. He was promoted to associate professor in 1968 and to full professor in 1970. In 1972-73, he served as assistant head of the Department of Industrial Engineering.

Dr. Meier was named professor and chairman of the Department of Industrial Engineering at Iowa State University in 1973. He served in that capacity until his appointment at Purdue.

A licensed professional engineer, Dr. Meier has served in key investigating and consulting capacities on a large number of projects in both government and in private fields.

The new dean's professional interests include industrial and systems engineering, operations research and engineering and public policy. He is the author of a large body of technical papers and reports, and he has delivered invited lectures throughout the United States and abroad.

Dr. Meier and his wife, Judy, are the parents of three daughters, Melynn, Marla and Melissa.

A Senate door handout

Editor's note. The following document was distributed as a door handout at the April 7 meeting of the University Faculty Senate

For the second time in as many years, Penn State offered the most cost-effective educational programs of any State-owned or State-related college or university in the Commonwealth.

The University was hailed for this accomplishment during its 1981-82 budget hearings March 2 and 10 before the House and Senate Appropriations Committees.

During the hearings, legislators questioned President Oswald about faculty productivity, based on an evaluation prepared by the Joint State Government Commission, a legislative support organization in Harrisburg.

The evaluation is part of a "Faculty Output and Salary Costs" report (the "Snyder Report"), which all State-related and State-owned institutions of higher education in the Commonwealth are required to submit annually. The current report covers the period from Summer Term 1979 through Spring Term 1980.

Among the findings in this year's report are: — Not only has Penn State been able to deliver more service at less cost than any public college or university in Pennsylvania, but it has also been able to do so by wide margins over some of the other institutions. The State appropriated \$32.90 per unit of production for Penn State (units of production refer to a weighted sum of student credit hours and number of degrees granted). By contrast, the figures for Pitt and Temple were \$36.11 and \$47.61, respectively, and for all State-owned, the average was \$60.15 (with three in the \$90-plus range and the lowest at \$44.52).

— Total credit hour production (from 1978-

79 to 1979-80) increased at Penn State by 21,505 and at Pitt by 11,553, while declining by 9,010 at Temple. This marked a reversal for the University, which along with Pitt, Temple and Lincoln had experienced slight declines over the previous two years. In 1979-80, however, Penn State's credit hour total of 1,610,024 was only 5,000 less than its all-time high, recorded in 1976-77.

— Penn State's costs per student credit hour in 10 selected program classifications (such as biological sciences, business and management, education and mathematics) are equal to or lower than the average of all institutions combined for each of the classifications. Further, the University's costs per student credit hour are lower than either Pitt's or Temple's in eight of the 10 classifications, which were selected by the Commission as being offered by nearly all of the institutions.

— Resident undergraduates at Penn State and the other State-related universities paid, in tuition, between 45 and 50 percent of total instructional costs. Non-residents paid about 83 percent at Temple and approximately the full costs at Penn State and Pitt. (Allocated State appropriations plus tuition charges — weighted in accordance with resident/nonresident proportions — can be viewed as an approximation of total instructional costs per student.) At State-owned institutions, resident undergraduates paid about 30 percent and nonresidents paid about 54 percent of the total instructional costs. Both resident and nonresident graduate students paid only 19 percent of total costs at State-owned schools, while nonresident graduate students paid from 60 to 70 percent of total costs at State-related universities.

— The number of total full-time equivalent

faculty decreased by 0.36 percent between 1978-79 to 1979-80 at Penn State. During this same period, the number of full-time equivalent students increased approximately 1.35 percent.

— Full-time faculty members at Penn State reported an average of 13.4 class contact hours in Fall Term 1979, as compared to 11.1 at Pitt and 11.3 at Temple.

— Penn State reported average class size in lower division courses of 31.2, upperdivision, 26.7, and master's level, 12.8. Pitt, too, reported an average class size of 31.2 in lower division courses, and 23.2 and 16.7 for upperdivision and master's level courses, respectively. Temple did not report.

— Penn State reported proportionately fewer faculty members at the rank of professor (21 percent) and associate professor (25 percent) than any other public college or university in Pennsylvania. At Pitt, 23 percent of the faculty hold professorial rank and 34 percent are associate professors. At the State-owned institutions, faculty with the rank of professor or associate professor combined range from 67 percent of total ranked faculty at Mansfield (the low) to 86 percent at California (the high).

— Tenured faculty at State-owned institutions range from 59.8 percent of the total faculty at Cheyney and 82.5 percent at Clarion (the lows) to more than 95 percent at California and West Chester (the highs). In contrast, tenured faculty at the State-related universities average about 64 percent of the total.

Arts Roundup

Distinguished lithographer in residence next week

Garo Antreasian, who is regarded as one of the foremost lithographers in America, will be a visiting artist at the University on April 13 and 14. In conjunction with his visit, an exhibition of his work will be held in the Zoller Gallery.

The formal opening of the exhibition will be held Monday evening, April 13, at 8 p.m. Mr. Antreasian will deliver an illustrated talk on "History and Process in the Evolution of My Work."

He will present slide talks on two other occasions during his visit. At 10 a.m. Monday, he will speak on "Stone, Ink, Paper: A Capsule History of Lithography"; and at 10 a.m. Tuesday, April 14, he will discuss "Contemporary Printmaking Issues." The location of the lectures may be obtained by telephoning the School of Visual Arts at 865-0444.

Mr. Antreasian's works are included in most of America's major collections, including those of the Boston Museum of Fine Arts, the Metropolitan Museum of Art, the Museum of Modern Art, the Guggenheim and Brooklyn Museums and the Philadelphia Museum of Art. He has also exhibited prints in the Venice Biennale and the International Biennial in Tokyo.

Currently professor of printmaking at the University of New Mexico, Mr. Antreasian is co-author of *The Tamarind Book of Lithography: Art and Techniques*, perhaps the most widely respected work in the field.

Guest trombonist solos with Blue Band

Trombonist Torsten Erik Edvar will be the featured soloist in Gullian's "Concert Piece" at the Penn State Symphonic Blue Band's Spring Concert Sunday, April 12, at 3 p.m. in Eisenhower Auditorium.

The audience will also hear music by Morton Gould, Vincent Persichetti, Jacques Offenbach, Edwin Franko Goldman and Malcolm Arnold, as well as a solo by flutist Peggy Shipley, a senior music education major.

A graduate of State College Area Senior High School, Mr. Edvar is currently a junior scholarship student at the Curtis Institute of Music in Philadelphia, where he is studying with Glenn Dodson, principal trombonist with the Philadelphia Orchestra.

Parker exhibit at Zoller Gallery

An exhibition of paintings, prints and drawings by Robert Andrew Parker is on display at the Zoller Gallery through April 12.

Mr. Parker studied at the Chicago Art Institute School, the Skowhegan School of Painting and Sculpture and Atelier 17 of New York, and has been the recipient of a Rosenthal Grant from the American Academy of Arts and Letters, a Guggenheim Fellowship and a Tamarind Artist Fellowship for lithography.

One-man exhibitions of Mr. Parker's work have been held at the Terry Dintenfuss Gallery, the J.L. Hudson Gallery and the Roko Gallery, among others. He has been included in a group exhibition at the Metropolitan Museum of Art, and his artworks are in the permanent collections of the Museum of Modern Art and the Whitney and Brooklyn Museums.



Painting by Vanessa Bell from the Fied Collection, currently on display at the University Museum of Art.

Genetics

(Continued from page 1)

an iron binding protein and that bacteria require iron for growth. Could it be that heterozygotes, who make two kinds of transferrin, are more successful in depriving bacteria of needed iron and that prenatal infection is thus less likely? A second possible explanation is less direct. We know that Standardbred horses are highly inbred, and that in general, inbred individuals of many species seem to suffer varying degrees of developmental retardation. Furthermore, inbreeding leads to a general reduction in heterozygosity. Could it be that horses which seem to be less susceptible to stillbirth are simply less inbred than average, and that what appears to be an effect of transferrin heterozygosity is in reality a more general effect of outbreeding?

Each of these hypotheses has generated enough projects to keep us busy for several years to come. The group at Rochester is collecting blood from additional horses so that we may increase our sample size and typing each horse for a large number of blood proteins. We at Penn State are constructing pedigrees for every horse in the study, in some cases tracing their ancestries back to Messenger, the founding sire of the Standardbred stock who was foaled in 1780. We will soon be in a position to calculate inbreeding levels for every horse in our study and to determine degrees of relatedness between them. For a breeder interested in minimizing inbreeding, this information alone will be valuable.

There have also been fringe benefits which are rare in a scientific research project. I have begun to learn about the inner workings of breeding farms; I have made the acquaintance of a breeder in Centre Hall, who has been extraordinarily generous in lending me out-of-print books which contain breeding information; I have had the pleasure of watching my first harness race from the best seat in the house; and I have become, as a result of bitter experience, an avid non-better.

Alumni Fellows visit Penn State



Mr. Klein

Two Alumni Fellows will visit University Park next week. They are Robert Klein of Allentown, Pa., chairman of the board and chief executive officer of AllianceWall Corporation, and John F. Speer of Washington, D.C., president of the Milk Industry Foundation and the International Association of Ice Cream Manufacturers.

Mr. Klein, a 1948 Penn State graduate, will be a guest of the College of Business April 13-16. He has been chairman of AllianceWall's board since 1977, and previously served the firm as president and chief executive officer.

He also has been chairman and director of Wolverine Porcelain Enameling Company, Detroit, since 1977; chairman of the board of Pentagon S/A, Odense, Denmark, since 1972; and chairman of the board of Alliance Europe, S.A., Genk, Belgium, since 1977. In addition, he has been a director of Le Rineau, Inc., New York City, since 1975; Ski Ventures, Inc., Atlanta, since 1974; and Blanqueford Vineyard Group, Bordeaux, France, since 1974.

Associated with the Caloric Corporation from 1948 to 1969, Mr. Klein advanced from the position of industrial engineer to chief executive officer.

He serves on the alumni board of directors of Penn State's College of Business and as a trustee of Muhlenberg College.



Mr. Speer

Mr. Speer received his undergraduate degree in 1955 and his master's degree in 1957. He will be at University Park April 14-16 as a guest of the College of Agriculture.

The Milk Industry Foundation (MIF) is a trade association representing 350 processors and distributors of fluid milk and fluid milk products throughout the United States. The member companies operate 800 plants and process about 75 percent of the total fluid milk processed, bottled and consumed in this country.

The International Association for Ice Cream Manufacturers is a completely separate and autonomous organization. Its 250 member companies operate 600 plants and manufacture about 80 percent of the total ice cream and related products Americans use.

A past president of the National Association Executives Club and the Washington Food Group, Mr. Speer currently serves as president of the Dairy Training and Merchandising Institute, which sponsors a number of continuing education activities for member companies.

In 1973 he was appointed as a member of the U.S. Delegation to the Joint FAO/WHO Committee of Government Experts on Milk and Milk Products, a position he still holds.

Diverse background characterizes new FDA head

Even before his official nomination as FDA director, Dr. Arthur Hull Hayes Jr. was being hailed in the pharmaceutical trade press as a "get-doner" kind of guy who doesn't waste time."

The most cursory examination of his 16-page curriculum vitae confirms that view.

The author of more than 100 publications, Dr. Hayes has just completed a term as president of the American Society for Clinical Pharmacology and Therapeutics. He is currently serving an elected five-year term as one of seven members of the Board of Trustees of the U.S. Pharmacopoeial Convention, the nation's drug-standard setting organization.

At Hershey, where he directs the Hypertension Clinic, he is professor of medicine and pharmacology and chief of clinical pharmacology. He has been active in many leadership positions in the Medical College, among them the chairmanship of the Medical Student Selection Committee and of the Faculty Organization.

In 1978, Dr. Hayes was ordained a permanent deacon in the Roman Catholic Church for the Diocese of Harrisburg. He is well known in his community for the literary, substantive and oratorical qualities of the homilies he delivers when he conducts worship services at the St. Joan of Arc Church. He also was appointed a Papal Knight in the Equestrian Order of the Holy Sepulchre of Jerusalem and a faculty advisor to the Catholic Campus Ministry.

As the father of three children, he has also managed to find time to serve on the School Advisory Board for the local junior high school — and this year added the job of being class secretary for his medical school alumni association.

Dr. Hayes was born 47 years ago in Highland Park, Mich. He was graduated magna cum laude from the University of Santa Clara (Cal.) in 1955, with a major in philosophy, and then went to Oxford University where he was a Rhodes Scholar and a Danforth Fellow. In England, he earned his M.A. degree with honors in philosophy, politics and economics.

He then took a year of pre-medical and two years of medical education at Georgetown — serving as an instructor in public speaking while there. In 1964, he earned his M.D. from Cornell, where he was also a graduate student in pharmacology. Santa Clara

awarded him an honorary Doctor of Public Service degree last year.

After an internship at New York Hospital, Dr. Hayes served as a captain in the U.S. Army Medical Corps for two years as chief of the Clinical Investigation Branch of the Medical Research Laboratories at Edgewood Arsenal, Md. Following a return to Cornell-New York Hospital as a resident and fellow in medicine, he became assistant professor of medicine in Cornell's Medical College and associate professor of pharmacology in the Medical College and in the Graduate School of Medical Sciences. He also was an associate dean for academic programs at the medical school and chief of the cardiac pacemaker clinic at New York Hospital. He came to Hershey in 1972.

His research is primarily in the area of drug use to treat hypertension and heart disease in general, the metabolism of drugs and the interaction of drugs. He serves on the editorial boards of five journals and has been a visiting professor at a number of institutions (including the People's Republic of China's Academy of Medical Science).

He is a fellow of the American College of Clinical Pharmacology, American College of Cardiology, College of Physicians of Philadelphia, New York Academy of Medicine, Royal Society of Medicine and the Harvey Society. He is chairman of the Commission of Therapeutics of the Pennsylvania Medical Society and an associate member of the American Pharmaceutical Association and its Academy of Pharmaceutical Sciences.

Dr. Hayes is married to a registered nurse, the former Barbara Carey, of Washington, D.C. They met at Georgetown where she earned a B.S. degree in nursing. She also holds an M.A. degree in education from New York University and is a part-time instructor in the Department of Obstetrics and Gynecology at Hershey, primarily involved in outpatient education. A certified child education and a certified CMBST (cervical vacuum basal body temperature) instructor, her special interests are in family planning and pregnancy, particularly for diabetic mothers and pregnant adolescents.

The Hayes have one son, a college student, and two daughters in high school.

News in brief

(Continued from page 1)

Soviet dissident to visit Shenango Valley

The Shenango Valley Campus is sponsoring a special lecture tomorrow (April 10) by Alexander Ginzburg, the well-known exiled Soviet dissident and human rights activist. Mr. Ginzburg is speaking on "Human Rights in the U.S.S.R."

Mr. Ginzburg, the editor of a literary journal, was imprisoned in 1967 and again in 1977 for his attempts to aid Soviet prisoners and their families. In the third year of his second sentence, he was stripped of his citizenship and exiled to the West.

Stone Valley lake opens April 11

Boat rentals will be available at Stone Valley beginning Saturday, April 11. The fishing season opens the following Saturday, April 18, at 8 a.m.

At the Mineral Industries docks, visitors will be able to rent canoes, rowboats and sailboats daily.

Princeton lecturer to discuss space colonization

Dr. Gerard K. O'Neill, professor of physics at Princeton University, will speak on "The High Frontier — Space Colonization and Energy from Space" on Wednesday, April 15, at 8 p.m. in Eisenhower Auditorium. His talk is sponsored by Colloquy.

President of the Space Studies Institute, Dr. O'Neill chairs the Task Group on Power from Space of the United States Space Research Association. His book, *The High Frontier*, received the Phi Beta Kappa award as the best science book published in 1977. He holds a Ph.D. from Cornell University.

Author will speak on Ludwig Wittgenstein

Allan Janik, co-author of *Wittgenstein's Vienna* with Stephen Toulmin, will talk on philosopher Ludwig Wittgenstein on Tuesday, April 14, at 3:30 p.m. in Room 319 Walker Building.

His talk is part of the Vienna Seminar, an informal faculty-student interdisciplinary group, and is open to the public.

Dr. Janik, whose visit is being sponsored by the Institute for the Arts and Humanities Studies, is nationally recognized for his studies of Austrian and German intellectual life in the 19th and early 20th centuries.

PSU Naiads to give swimming performance

Penn State Naiads will present their annual synchronized swimming performance on April 23, 24 and 25. "Water Works" combines the efforts of nine student choreographers and 32 swimmers in a program of 13 routines swum to the music of a variety of composers.

Lighting and costumes are designed to enhance the creativity of the movement in the water.

The performances begin at 8 p.m. at the Natatorium each night. Tickets will be available at the door starting at 7:30 p.m. and will be sold from April 13 at the Athletic Ticket Office in the Recreation Building.

The ticket price is \$1.50.

Upcoming festival showcases State's Slavic heritage

Displays of Slavic folk arts and artifacts — including demonstrations of Ukrainian Easter egg painting and icon painting — will be featured during the Third Annual Penn State Slavic Folk Festival on Friday and Saturday, April 10 and 11.

Sponsored by the Department of Slavic Languages, the Festival will be held in the Paul Robeson Cultural Center. It will run from 9 a.m. to 10 p.m. on April 10, and

from 9 a.m. to 5 p.m. on April 11.

Lorraine Kapitoff, assistant professor of Russian and festival coordinator, observes that the event is designed to showcase the music, dances and folk arts of the various Slavic peoples whose descendants form a large part of Pennsylvania's population. The spring festival format was chosen in keeping with the spring rituals common to all Slavic

cultures.

The Ukrainian style of painting Easter eggs will be demonstrated by Dr. and Mrs. Nicholas Miskovsky. Dr. Miskovsky, assistant professor of physics at the Altoona Campus, and his wife teach Ukrainian painting, which has long been one of their hobbies. Susan Guenther, 12th-term Russian technical translation major, will demonstrate icon painting, the traditional religious art form of the Eastern Orthodox Church.

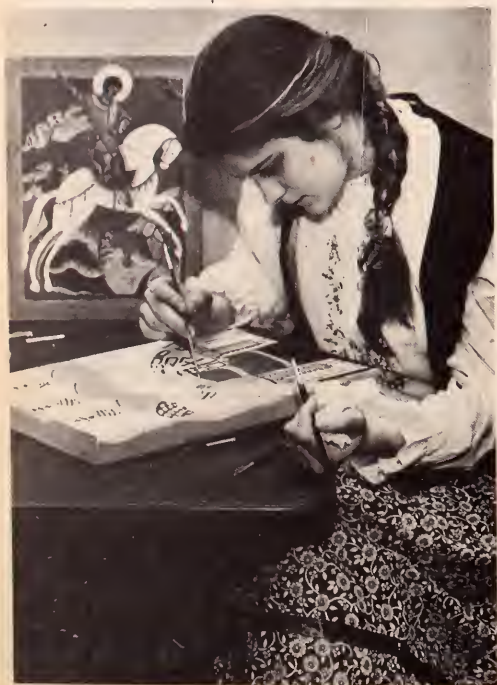
On April 10, the morning program will feature entertainment designed especially for young children and will include puppets and story-telling events. The afternoon program will showcase the Penn State Slavic Dance Ensemble, under the direction of Teresa Wilson, as well as individual performers. Ms. Wilson is a graduate assistant in the Department of Slavic Languages.

The evening program on April 10 will be opened by the Penn State International Dancers under the direction of Elizabeth Hanley, assistant professor of physical education. The Tom Duda Orchestra with Johnny Y of DuBois will follow with music for dancing, and polka and waltz contests will be held to determine prize winners.

Programs on April 11 will include performances by the Penn State Ukrainian Club dancers and singers, Interludia Folk Dance Club and the State College Little German Band.

Exhibitions of books, records and artifacts will be displayed during the Festival, as will a traveling museum collection from Pennsylvania and New York. A series of films also will be shown and a Slavic snack bar will offer hot and cold beverages and light ethnic food items.

Assisting Mrs. Kapitoff with coordinating the Festival are five members of the Department of Slavic Languages — Professors Thomas F. Magner, Sigmund S. Birkenmayer and Joseph Paternost; and assistant professors James J. Gebhard and Linda J. Ivanits. Also assisting are Ms. Wilson; Ann Mary Smaley, department secretary; and Mary Witham, graduate student and Festival treasurer.



Susan Guenther demonstrates icon painting.

Penn State Intercom

Senate accepts changes in University Committee

President Oswald, expressing cautious optimism over the fate of the University's 1981-82 budget request in Harrisburg, led off a series of oral informational reports to the University Faculty Senate at the April 7 meeting.

In describing Penn State's budget proposal (as reported in the March 13 and 19 INTERCOMs), Dr. Oswald noted the important contribution of the University's staff benefits programs in augmenting faculty/staff salaries. A complete text of this section of his statement appears at the right.

Dr. Oswald said that while Governor Thornburgh's proposed increase of 5.5 percent in the University's appropriation fell considerably short of the 12 percent inflation rate, the increase recommended in the overall State budget was only 5 percent, and that the Governor was expressing a concern for higher education.

Two legislative items appeared on the April docket.

The first, from the Committee on Committees and Rules, proposed several changes in the composition of the University Promotion and Tenure Committee.

The changes accepted by the Senate included:

- The number of committee members to be selected by the Senate is increased from six to seven;
- The number chosen by the President is increased from three to four, and the limitation that these be "senior academic administrators" is removed;
- The requirement that a Lindback Award winner and an Evan Pugh Professor be chosen by lot for membership on the Committee is deleted;
- Eligibility for membership on the Committee is made identical for both elected and appointed candidates.

At the suggestion of Commonwealth Campus faculty, a proposal that no member of the Committee serve more than two successive terms and after serving these terms not be returned to the committee for four years (two terms) was amended to two years (one-term).

The rationale was that Committee membership is limited to faculty members with the rank of full professor, and Campus faculties do not have a large pool of candidates at this level.

The Council of Liberal Arts Senators expressed opposition to deleting the stipulation that Lindback awardees and Evan Pugh Professors serve on the committee.

Representing the Subcommittee on Promotion and Tenure, Chairman Joseph

Benefits add to salaries

"It is important that the faculty understand that the University's staff benefits constitute a substantial tax free augmentation of the salary of each faculty and staff member. They represent approximately 25 percent of the costs of salaries for 1980-81. To illustrate, a faculty member whose salary is \$25,000 and who is in the 30 percent tax bracket has an additional \$6,250 provided by the University on behalf of the faculty member as a tax free benefit, for a total compensation of \$33,125.

(Continued on page 6)

Dixon noted that Committees and Rules, after extensive discussion, had agreed that the best way to ensure a strong Promotion and Tenure Committee was by not putting arbitrary restrictions on membership.

The second piece of legislative business, was designed to ensure teaching standards for graduate assistants. The Senate adopted the first two sections of this proposal.

As a result, teaching assistants will henceforth be required to attend teacher training programs. Their competence in the understanding and use of spoken English will be determined, and those deemed deficient will receive training at the Center for the Study of English as a Second Language.

The third part of the proposal, which had been questioned during previous hearings on the legislation, was voted down. It required that freshmen be informed during Orientation Week that

(Continued on page 6)



Mr. Richardson

Richardson is Elliott lecturer

Elliott L. Richardson, former diplomat and federal cabinet officer, will deliver the 1981 William Elliott Lecture on Wednesday, April 29, at 9:45 a.m. in Room 112 Kern Building.

The address, "Corporate

Responsibility: To Whom and For What," will open the seventh annual William Elliott Invitational Conference April 29-30 in the College of Business Administration.

Senior executives of the insurance industry, its trade and professional associations and leading academicians in the field have been invited to the conference, according to CBA Dean Eugene J. Kelley.

Mr. Richardson is senior resident partner in the Washington office of Milbank, Tweed, Hadley & McCloy, a New York law firm.

Before joining the law firm last October, he was ambassador-at-large and special representative of the President of the United States to the Law of the Sea Conference from 1977 to 1980.

Mr. Richardson served as Secretary of Commerce from February 1976 to January 1977. Prior to that he was U.S. Ambassador to Great Britain.

Among his other government posts were tenures as Attorney General of the United States; Secretary of Defense; Secretary of Health, Education and Welfare, and Undersecretary of State.

(Continued on page 4)

Abrams visit, nuclear debate set



Mr. Abrams

Gerald W. Abrams, president of Cypress Point Film Productions at Universal Studios in Los Angeles, will visit University Park April 21-24 as an Alumni Fellow. He will be a guest of the College of Arts and Architecture.

A 1961 business graduate, the

Harrisburg native started out as a radio sportscaster. He joined CBS Television Network in 1967, going from National Spot Sales to the head of West Coast Sales in four years. He moved into the creative side of the medium by joining The Jozak Company in 1972 as assistant to the producer of "It's Good to Be Alive: The Roy Campanella Story."

After serving as an associate producer for a series of television films, Mr. Abrams founded his own company in 1978. Through Cypress Point Productions, he has been executive producer of "Flesh and Blood," "Letters From Frank," "The Gift," "Steelwound," "Act of Love" and the recently aired "Berlin Tunnel 21."

Commoner, Weinberg to discuss energy needs

Environmental spokesman Barry Commoner and Alvin M. Weinberg, director of the Institute of Energy Analysis at Oak Ridge Associated Universities, will debate the topic, "National Energy Needs Call for a

(Continued on page 2)



Dr. Beittel

Beittel honored by two one-man shows in Japan

Fourteen years ago, Kenneth Beittel went to Japan in the spirit of an apprentice to learn porcelain techniques on the potter's wheel.

A professor of art education and already a mature potter working in stoneware, he was seeking, in his own words, "a tradition that would transcend my own personality and yet allow me to grow through experience and expression."

This winter, the art he has fashioned from his personal fusion of East and West brought him two honors. The first was a one-artist show in which 65 pieces were chosen to open the new Saga Museum of Porcelain and Ceramic Arts in Artia, Japan. Because of positive response, this show was subsequently extended by the museum director for an additional two weeks.

Dr. Beittel was then asked to exhibit his

porcelain, stoneware and raku ceramic pieces at the Art Gallery of the Iwatawa Department Store in Fukuoka.

Most large Japanese department stores have galleries which exhibit works by leading artists, Dr. Beittel explains. His exhibit again broke new ground since it was the first one to be shown in this gallery, which had just opened as part of a new wing of the main store. By computer count, 100,000 persons pass through this large complex on a good day.

Both the Saga Museum of Porcelain and Ceramic Arts and Iwatawa acquired works by Dr. Beittel for their collections, as did the Saga Museum of Fine Arts and a number of private collectors. In addition, Kakiemon and Immaemon, world famous 13th generation names in pottery, purchased pieces.

When Dr. Beittel first went to Arita in 1967, he studied with master potter Manji Inoue. Inoue, who has since taught at Penn State, was present along with 100 other potters for the "Shukuga-Kai," the celebration dinner party in honor of the opening of Dr. Beittel's museum show.

"The exhibitions were rewarding in many ways," Dr. Beittel says, "not least the emotional experience of going back to the place where I first made contact with the Arita tradition that has become so important in my work."

"During this visit, however, there were many times when I felt that I was bringing back their own traditions to the Japanese. They have become so geared to success that art is becoming a commodity to them."

(Continued on page 5)

Penn Staters

Dr. **Stuart Forth**, dean of University Libraries, received the Distinguished Alumnus Award of the University of Michigan's School of Library Science as part of the School's Alumni-in-Residence Program in which Dean Forth participated on April 2-3.

The program was established in 1969 "to give students an opportunity to become personally acquainted with leaders in the library profession and their professional education at Michigan." During his residency, Dean Forth delivered an address at a banquet in his honor. His topic was "Myths and Realities: The Politics of Library Administration."

Dean Forth earned both his B.A. (English literature and history) and M.A.L.S. at Michigan. His Ph.D. in American history was conferred by the University of Washington.

Prior to joining Penn State in 1973, Dean Forth held administrative posts at Oregon State University, the Seattle Public Library, the University of Kansas and the University of Kentucky. Long active in professional association work at both the state and national levels, he is also a participating member in the new Jane Austen Society of North America.

John S. Nichols, assistant professor of journalism, was one of five Cuban specialists who met in Washington last week with government officials responsible for U.S. policy toward Cuba.

The seminar, funded by the State Department, was titled "Cuba in the 1980s," and its proceedings will be published in a book of the same title to be edited by Jorge I. Domínguez of Harvard University, the project head. Dr. Nichols' topic was "The Cuban Mass Media in Its Social Context."

Dr. **Robert W. Carruba**, professor of classics, has been named one of 35 Fellows in Academic Administration by the American Council on Education for 1981-82. Fellows are nominated by the presidents or chancellors of their institutions and selected in a national competition. This year, there were 140 nominees.

The program, established in 1964, is designed to prepare faculty and staff for positions in administration.

Janice M. Margle, assistant professor of engineering at the Ogonot Campus, has been awarded a two-summer ASEE-NASA Faculty Fellowship. As one of 14 first-year fellows in the jointly sponsored American Society for Engineering Education-National Aeronautics and Space Administration program, Professor Margle will do research this summer and next at the Lewis Research Center in conjunction with Case Western Reserve University in Cleveland, Ohio.

Herman Cohen, professor of speech communication, was recently named a Distinguished Alumni of Delta Sigma Rho-Tau Kappa Alpha in recognition of his contributions to community and national life. DSR-TKA is the National Society in forensics with over 175 chapters in colleges and universities throughout the United States.

Dr. Cohen was editor of *Western Speech Journal*, an associate editor of *Quarterly Journal of Speech*, and is the book reviewer editor of *Philosophy and Rhetoric*. In 1975, he was elected president of the National Speech Communication Association and is president of the Pennsylvania Speech Communication Association.

Dr. **Gerald E. Gipp**, former director of the University's Native American Leadership Training Program and assistant professor of education, was inaugurated April 12 as president of Haskell Indian Junior College in Lawrence, Kan.

Before joining the University faculty in 1974, Dr. Gipp received his master's

degree (1971) and his doctorate (1974) at Penn State, both in educational administration. He left his faculty position in 1977 to accept a position as deputy commissioner for the Office of Indian Education, U.S. Office of Education. His title was later changed to deputy assistant secretary for Indian affairs.

Dr. **David B. Geselewitz**, professor and head of bioengineering, gave a series of invited lectures on bioelectricity and biomagnetism at the Winter School in Lamm, Finland. The Winter School was organized by The Low Temperature Laboratory of the Technical Physics Department of the Helsinki University of Technology.

Dr. **Robert Lima**, professor of Spanish and comparative literature, was invited recently to initiate the Spring Lecture Series at the University of Cincinnati. Under the auspices of the Department of Romance Languages, Dr. Lima spoke on "Farce, Esperanto and Death: The Last Phase of Valle-Inclán in the Theatre." Dr. Lima also visited a class on translation and read some of his poems and translations.

Earlier, Dr. Lima participated in a group reading of his poems and translations at Ithaca College.

Dr. **Barnes W. McCormick**, professor and head of aerospace engineering, was an invited speaker at Princeton University's Department of Mechanical and Aerospace Engineering on April 2. Dr. McCormick's seminar was entitled, "General Aviation Stalling Aerodynamics."

Dr. **Rustum Roy**, Evan Pugh professor and director of the Materials Research Laboratory, was the speaker at the colloquium in the Physics Department at Cornell University. He described the University's extensive work on the science underlying radioactive waste management.

Richard L. Crowley, assistant vice president for business services, has been elected vice president of the National Association of Educational Buyers. The Association serves the business side of higher education with more than 2,000 member institutions.

Dr. **Norman Freed**, associate professor of physics and associate dean for resident instruction in the College of Science, has been elected to a three-year term on the Executive Committee for Nuclear Theory at the Bates Linear Accelerator Laboratory at the Massachusetts Institute of Technology. The Bates Lab, a national facility, is one of the largest in the world devoted to high energy nuclear physics research.

Dr. **Edward J. Massaro**, director of the Center for Air Environment Studies and professor of veterinary science, has been appointed to the editorial board of *Environmental Research*. He has also been designated as founding president, and elected as counselor, of the Metals Specialty Section of the Society of Toxicology.

Dr. **E. Willard Miller**, professor of geography emeritus and associate dean for resident instruction emeritus in the College of Earth and Mineral Sciences, and Ruby M. Miller, former map librarian at Pattee, are the authors of a bibliography, entitled *The Third World: Natural Resources, Economics, Politics and Social Conditions* published by Vance Bibliographies. With more than 1,000 references, the book offers a wide perspective on the human problems of the Third World.

Partings

Joseph R. Berich, a janitorial worker with the Office of Physical Plant, retired April 17. He had been a staff member since April 17, 1971.

Promotions

Staff Exempt

Gale D. Bowman to manager, centralized office support services in Business Services.

Philip G. Burris to assistant supervisor, equipment records in Controller's Office.

Stephen R. Curley to financial and administrative services officer in Controller's Office.

Jay C. Johnson to chief nurse anesthetist at Hershey.

Mary L. Kanaskie to staff development instructor at Hershey.

Roseann C. Lanyon to assistant director in Undergraduate Admissions.

Michael Lippincott to textbook assistant (used books) in Penn State Bookstore.

Theresa A. Novak to assistant director in Undergraduate Admissions.

Donald N. Plourde to financial officer at Capital.

Mary E. Puffer to administrative assistant in Agriculture.

Mary S. Shore to assistant manager, respiratory therapy at Hershey.

Jeffrey P. Wirth to financial officer at Delaware County.

Staff Non-Exempt

Patricia M. Alsters to administrative aide in Agriculture.

Sharon K. Fox to cardiology technician at Hershey.

Kathy L. Vanovich to donor recruiter/Blood Bank at Hershey.

Clerical

Cathy J. Arney to secretary A in Agriculture.

Ruth Brautigam to senior registration clerk at Hershey.

Sandra L. Fetzter to secretary C in Agriculture.

Tammy Grimes to clerk, typist B in Penn State Bookstore.

Betty R. Hazel to secretary B in Agriculture.

Dorothy J. Thomas to secretary B in Agriculture.

Technical Service

Paul E. Brown to senior mailroom clerk in ARL.

Luther W. Musser to preventive maintenance worker (mechanical and plumbing) in Physical Plant.

Beverly A. Nye to laboratory attendant A, Blood Bank at Hershey.

Richard S. Smalley to mail sorter and relief clerk in Business Services.

Jean M. Standley to residence hall worker in Housing and Food Services.

George R. Stoltz to patrol officer at Hershey.

Franklin R. Straub Sr. to patrol officer at Hershey.

William P. Wegman to utility worker at Hershey.

Carpoolers

Bill Kantoski is interested in carpooling from the Altoona area. He is on an 8 a.m. to 5 p.m. schedule. Phone 865-5012 or 942-1464.

Shirleen Lofe, Simmons Hall Dining Room, seeks riders and/or drivers for a carpool from Millheim through Spring Mills and Centre Hall, to arrive on campus at 10 a.m. and depart at 7 p.m. She can be reached on campus at 865-2172 and at home at 422-8100.

Obituary

John U. Reuf, professor emeritus of pomology Extension, died April 2 at the age of 85.

A Swiss native, he joined the University in 1925 and retired in 1961. He held a bachelor's degree from Syracuse University and a master's from Iowa State.

Among his research contributions was the procuring and releasing of virus-free cherry stocks for general use. These stocks have since won wide acceptance.

Faculty/Staff Alerts

Review of health care coverage advisable

Regular University faculty and staff members are urged to review periodically the deductions being taken for their health care coverage (hospital/surgical/major medical, dental and vision) to be certain that they are paying for the correct coverage.

A change in family status may affect your cost and your coverage. For example, when you get married, when you have a first child, or when your spouse stops working for the University, you run the risk of having inadequate dependent coverage, if you haven't taken steps to indicate the change in coverage desired.

Consideration should be given to changing coverage if any of the following circumstances arises:

1. You get married.
2. You get divorced (or separated and no longer wish to provide spouse dependent coverage).
3. You become the parent of a first child (note: a baby is covered automatically for 31 days following birth; however, to provide for coverage beyond that time for a child, a coverage form must be completed).
4. Your only dependent child reaches age 19 (or 23 in the case of a full-time student).
5. Your only dependent child gets married.
6. Your spouse begins or ceases working for the University as a regular employee.
7. Your only dependent child begins or ceases working for the University as a regular employee.
8. Your spouse enters military service.
9. Your only dependent child enters military service.
10. Your spouse dies.
11. Your only dependent child dies.

If you feel a change should be made, call, write, or visit the Employee Benefits Division, Room 133 Willard Building, 865-1473.

Faculty or staff members located away from University Park may receive assistance by contacting the appropriate Business Manager or Regional Personnel Officer.

The University has no way of knowing whether a change should be made, so it is the responsibility of the individual faculty or staff member to keep his or her records up to date. No refunds for overpayment will be made, unless it can be shown that the University was in error.

Debate

(Continued from page 1)
Substantial Role for Nuclear Power," on Tuesday, April 21, at 8 p.m. in the HUB Ballroom.

Their debate is sponsored by Colloquy and the Science, Technology and Society program. The two men will also present individual seminars. Dr. Weinberg, who was director of the Oak Ridge National Laboratory for more than 25 years, will discuss "Alternative Energy Scenarios for the United States" at 4 p.m. on April 21 in the HUB Assembly Hall. Known for his development of the pressurized water reactor, Dr. Weinberg shared the Atoms for Peace Award in 1960 in recognition of his role in nuclear reactor development.

Dr. Commoner will speak on "The Industrial Environment as a Cause of Cancer" at 4 p.m. on Wednesday, April 22, in the HUB Assembly Hall. Currently a professor of environmental science and director of the Center for the Biology of Natural Systems at Washington University, Dr. Commoner is the author of several books, including *Science and Survival*, *The Closing Circle* and *The Politics of Energy*.

University Park Calendar

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

April 16-26

Special Events

Thursday, April 16

Commons Concert, Phi Mu Alpha Band, noon.
Kern Lobby.
Sports: lacrosse (women) vs. Temple, 3 p.m.
Sigma Xi initiation and reception, 4 p.m., Nittany Lion Inn.
HPR lecture, 7 p.m., Room 26 Mineral Sciences, John Crompton, Texas A&M, on "The Marketing of Leisure."
Gnomathèque, *The Gospel According to St. Matthew*, 7 and 9:30 p.m., HUB Assembly Hall. Also April 17.
HUB Craft Center Open House, 7:30-9:30 p.m., Room 312 HUB.
Black Arts Festival, Miss Black PSU Pageant, 8 p.m., Schwab.
Foreign Studies/Yachad lecture, 8 p.m., Eisenhower Chapel lounge. Efraim Turgovnik, Tel Aviv Univ., on "The Penn State Foreign Studies Program at Tel Aviv University."

Friday, April 17

Sports: track (women), Lady Lion Relays, 10 a.m.; volleyball (men) vs. George Mason, 7 p.m.
Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Arthur Anderson, architecture, on "Post Modernism."
Commonsplace Theatre, *And Justice for All*, 7 and 9 p.m., Room 112 Kern. Also April 19.

Saturday, April 18

Fishing season opens at Stone Valley.
Sports: tennis (women) vs. William and Mary, 9 a.m.; track (men), Memorial Invitational, noon; baseball vs. Robert Morris (DH), 1 p.m.; softball (women) vs. Rutgers (DH), 1 p.m.
Shaver's Creek Nature Center, kite-flying workshop, 2 p.m., Stone Valley, Registration, Mon.-Fri., 865-1851.
France: Cinema, *14th Tournee of Animation*, 7 and 9 p.m., Room 112 Kern. Also April 20.

Sunday, April 19

Shaver's Creek Nature Center, birdwalk breakfast, 7 a.m. (registration, Mon.-Fri., 865-1851); wildflower workshop, 2 p.m., Stone Valley.
HUB Craft Center, 2nd session classes begin, Room 312 HUB.
University Chapel Service, 11 a.m., Music Bldg. Recital Hall. University Chapel Choir Easter Service, Tommie Irwin, director.
Easter Buffet, noon-2:30 and 6-8 p.m., Nittany Lion Inn.

Tracey Layer, oboe, and Maureen Haley, piano, 3 p.m., Music Bldg. Recital Hall.

Monday, April 20

Commons film, "Albert Schweitzer," noon, Room 112 Kern.
Sports: tennis (men) vs. Navy, 2:30 p.m.
Public lecture, 4 p.m., Room 123 Chambers, Clive Ashwin, Middlesex Polytechnic, London, on "Drawing Programmes in 19th Century German Schools."
Color Slide Club meeting, 7:30 p.m., Room 189 MRL.
College of Science, Priestley Lecture, 8 p.m., Room 333 Whitmore. Michael J.S. Dewar, Univ. of Texas, on "Quantum Mechanics," through April 23. See "Seminars" for details.
History of Photography lecture, 8 p.m., Room 101 Kern. Robert C. Snider, photohistorian, Washington, D.C., on "From Talbot to Television."

Tuesday, April 21

Comp. Lit. Luncheon, 12:15 p.m., Room 204 HUB. Gregory Rabassa, Queens College, on "Aguilera Milla and Magical Realism in Latin American Literature."
Sports: lacrosse (women) vs. Luck Haven, 3 p.m.
Colloquy/STS lecture, 4 p.m., HUB Assembly Hall, Alvin M. Weinberg, dir., Institute for Energy Analysis, Oak Ridge Assoc. Universities, on "Alternative Energy Scenarios for the United States," debate, 8 p.m., HUB Ballroom, Alvin Weinberg and Barry Commoner, environmentalist, Washington Univ., on "Resolved: National Energy Needs Call for a Substantial Role for Nuclear Power."
Dance workshop, 5:45 p.m., White Bldg. Dance Theatre. Student choreography presented.

Comp. Lit. Film Series, *Madame Bovary*, 7 and 9 p.m., Room 112 Kern.
Shaver's Creek, Armchair Naturalist, "Animals at Shaver's Creek," 7:30 p.m., Room 273 Rec. Hall.
History of Photography lecture, 8 p.m., Room 101 Kern. John Faber, photohistorian, National Press Photographers Assn., on "Photojournalism: Ambition and Reality."

IAHS/Dept. of German lecture, 8 p.m., Room 124 Sparks. Fritz Rudolf Fries, East German author and translator, reads from his works.
Museum of Art lecture, 8 p.m., Museum of Art. Anthony Cutler, art history, on "Icons and Iconography."

Wednesday, April 22

Commons Concert, Nittany Highlanders, noon, Kern Lobby.
Music in Interesting Times, 2:20 p.m., Music Bldg. Recital Hall. Shem Guilbory, New

Haven Chamber Ensemble, on "Concert Music: A Performer's View."

Colloquy/STS lecture, 4 p.m., HUB Assembly Hall. Barry Commoner, environmentalist, Washington Univ., on "The Industrial Environment as a Cause of Cancer."
SO Clark Theatre, Howard Mermel, *Long Distance*, 5:30 p.m., The Pavilion Theatre. Also April 23 and 24.
Dept. of Architecture lecture, 8 p.m., Mineral Sciences Auditorium. Kendrick Bangs Kellogg, California architect, discusses his work.
Music da Camera, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, April 23

Deadline for submitting reserve reading lists for Summer Term, Reserve Reading Room, W11 Patte.
Commons Concert, Phi Mu Alpha Band, noon, Kern Lobby.
Sports: baseball vs. Bucknell (DH), 1:30 p.m.; lacrosse (women) vs. Maryland, 3 p.m.
Black Studies symposium, 3:30 p.m., Rure Soko's Room. Patten, Don Lego, human development, on "Research Opportunities Focusing on the Black Aged."
Medieval Studies Week lecture, 4 p.m., Room 230 Visual Arts Bldg. Zehava Jacoby, Univ. of Haifa, on "Twelfth-Century Nazareth Rediscovered."
Gnomathèque, *The Reibers*, 7 and 9 p.m., HUB Assembly Hall. Also April 24.
Archaeological Institute lecture, 8 p.m., Room 101 Kern. Dwight Wallace, SUNY/Albany, on "The Quiche Maya."
Naiads, synchronized swimming, "Waterworks," 8 p.m., Natatorium.

Friday, April 24

Craft demo, Richard Rutowski, calligraphy, 11:30 a.m., Kern Lobby.
Sports: volleyball (men) ECVL Championships, through April 25.
Music in Interesting Times, 2:20 p.m., Music Bldg. Recital Hall. Hansa Bhankar, Indian classical musician, on "Non-Western Music."
Medieval Studies lecture, 3 p.m., Room 230 Visual Arts Bldg. David Jacoby, Hebrew Univ., on "Acre: A City in the Crusader Levant."
Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Charles Ameringer, history, on "Costa Rican Democracy: Is There Trouble Ahead?"
Commonsplace Theatre, *King of Hearts*, 7 and 9 p.m., Room 112 Kern. Also April 26.
Shaver's Creek Nature Center, Frogs, Toads and Salamanders, 7:30 p.m., Stone Valley.
Naiads, synchronized swimming, "Water Works," 8 p.m., Natatorium.
Artists Series, Bella Lewitzky Dance Company, 8:30 p.m., Eisenhower Auditorium.
Jazz Blue Band, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, April 25

Little International Livestock Show, 8 a.m.-3 p.m., University Beef/Sheep Center.
Sports: golf (men), Nittany Lion Invitational, 8 a.m., through April 26; softball (women) vs. Ohio State, 11 a.m.; lacrosse (men) vs. Hofstra, 2:15 p.m.
Shaver's Creek Nature Center, hike around Stone Valley Lake, 9 a.m., Stone Valley; pioneer crafts for children 7-14 (weaving), registration, 865-1851.
Phi Psi 500.
France: Cinema, *Rademakers*, *Max Havelaar*, 7 and 9 p.m., Room 112 Kern.
Naiads, synchronized swimming, "Water Works," 8 p.m., Natatorium.
Artists Series, Bella Lewitzky Dance Company, 8:30 p.m., Eisenhower Auditorium.

Sunday, April 26

Sports: softball (women) vs. Ohio State, 10:30 a.m. and Slippery Rock, 2:30 p.m., baseball vs. Temple, 1 p.m.
University Chapel Service, 11 a.m., Eisenhower Chapel. Eston Williams, Program for Churches, Ideals, Inc., State College, speaker.
Artists Series, Bella Lewitzky Dance Company, *Jig au Gamin Plan*, 2:30 p.m., Eisenhower Auditorium.
Phi Mu Alpha pledge recital, 9 p.m., Music Bldg. Recital Hall.

Seminars

Thursday, April 16
Computer Science, Richard D. Schlichting, Cornell Univ., on "Axiomatic Verification of Fault Tolerant Software," 4 p.m., Room 325 Whitmore (new listing).

Friday, April 17

Physical/Analytical Chemistry, Abraham Bahta and Sonia Vasquez, Garcia, grad. students, on "Reactions of Peroxy Radicals with NO + NO₂ and the Decay of Peroxynitrate," 11 a.m., Room 333 Whitmore.
Physical Chemistry, Donald Smyth, Lehigh Univ., on "Non-Stoichiometry and Its Effect on the Properties of Metallic Oxides," 2:30 p.m., Room 333 Whitmore.
Geosciences, Irwin Remmon, Stanford Univ., and Birdslaw Distinguished Lecture, on "Optimal Groundwater Management," 3:45 p.m., Room 22 Delke.

Monday, April 20

Nittany, Roland Leach, poultry science, on "Experimental Diets, Lice and Abuse," 3:55 p.m., Room 117 Henderson.
MC3B, Ray Wu, Cornell Univ., on "Yeast Cytochrome C Gene: Cloning and DNA Sequence Analysis of a Wild Type and a Mutant Gene," 4 p.m., Room 101 Altohouse.
Priestley Lecture Series, Michael J.S. Dewar, Univ. of Texas, on "Problems Involved in the Prediction of Chemical Behavior: Scope of Existing Quantum Mechanical Procedures," 8 p.m., Room 333 Whitmore.

Tuesday, April 21

Metallurgy/Mineral Processing/Chemical Engineering, Norman L. Exson Research, on "Metal Extraction by Liquid Membranes," 11 a.m., Room 301 Steidle.
MC3B, Ray Wu, Cornell Univ., on "Rat Cytochrome C Gene: Cloning and DNA Sequence Analysis of a Wild Type and a Pseudogene," 11 a.m., Room 101 Altohouse.
Environmental Pollution Control, George Polansky, D.E.R. Bellefonte, on "Regional Overview of Hazardous Waste Activities," 2:20 p.m., Room 128 Sackel.
Plant Pathology, Robert Theberge, grad. student, on "Spore Biology: The Role of Plant Pathology in Bio Warfare," 3:55 p.m., Room 213 Buckhout.
Priestley Lecture Series, Michael J.S. Dewar, Univ. of Texas, on "The Prediction of Molecular Properties: Conjugation and Aromaticity," 8 p.m., Room 333 Whitmore.

Wednesday, April 22

Entomology, Roger Ratcliffe, USDA, Beltsville, on "Selection for Insect Resistance in Turf Grasses and Alfalfa," 7 p.m., Room 204 Patterson.
Priestley Lecture Series, Michael J.S. Dewar, Univ. of Texas, on "Mechanisms of Pericyclic Reactions: The Role of Radicals," 8 p.m., Room 333 Whitmore.

Thursday, April 23

Ceramic Science and Engineering, David W. Johnson, Jr., Bell Labs, Murray Hill, on "Ceramic Ion Conductors," 11 a.m., Room 301 Steidle.
Priestley Lecture Series, Michael J.S. Dewar, Univ. of Texas, on "Some Reactions of Radicals and Ions," 2 p.m., Room 333 Whitmore.
UDIS, Teaching Information Processing System," 2:20 p.m., Room 62 Willard.

Geosciences, Robert Newham, geosciences, on "Twining in Minerals," 3:45 p.m., Room 112 Walker.
Agronomy, William Waltman, grad. student, on "Frangipani Morphology in Late Wisconsinan and Pre-Wisconsinan Sites," 3:55 p.m., Room 111 Tyson.
Physics, Jan Matlovič, IBM, Yorktown Heights, on "The Superconducting Computer," 3:55 p.m., Room 445 Davey.
Fuel Science, Eric Sueberg, Carnegie-Mellon Univ., on "Modeling of Coal Devolatilization Phenomena: The Role of Mass Transfer," 4 p.m., Room 301 Steidle.
Mathematics, J.A. Nitsche, Freiburg Univ., on "The Numerical Solution of the Stefan Problem: Straightening the Moving Boundary," 4 p.m., Room 102 McAllister.
Mechanical Engineering/Acoustics, Gerhard Reithof, mechanical engineering, on "Acoustic Agglomeration of Submicron Particles for Air Pollution Control and Hot Gas Cleanup," 4 p.m., Room 105 Mech. Eng. Bldg.

Friday, April 24

Metallurgy, David Michel, Naval Research Lab., on "Fatigue and Fracture in Naval Materials," 11 a.m., Room 301 Steidle.

Exhibits

Chambers Gallery: Undergraduate Art Education Student Exhibit.
HUB Galleries: Third Annual Slavic Folk (Continued on page 6)



Three lectures will be presented during Medieval Studies Week, April 21-24. At left, a 12th century German manuscript showing "Barbarossa and his Sons." See story, page 4.

News in Brief

Seminar offers 'System' to individualize feedback

The University Division of Instructional Services will sponsor a seminar to acquaint faculty members with the Teaching Information Processing System on Thursday, April 23, from 2:20 to 3:35 p.m. in Room 62 Willard Building.

The System was originally designed by a professor of economics to assist instructors of large classes in providing individualized feedback to each student, based on the student's performance. It has been employed by the Department of Chemistry in teaching classes of more than 300 students.

At the seminar, Dr. Charles Haas, professor of chemistry, and UDIS staff members will describe the features of the System and explain how instructors can implement it in their own courses.

The software for the system was acquired by the University with funds supplied by the Chemistry Department and by UDIS. However, the software is not specialized for any particular course or type of course and is available for any instructor to use.

All interested faculty members are welcome to attend the April 23 seminar.

Spring enrollment up

Spring Term enrollment at the University has increased 1,453 over last year to a total of 50,195 students.

Of that total, 30,334 students are enrolled at the University Park campus, 712 more than last year. Enrollment at the 17 Commonwealth Campuses is up 666, to 15,450.

Spring Term enrollment is 1,589 at the Behrend College, 1,993 at Capital Campus, 332 at the Radnor Graduate Center and 497 at Hershey.

Inn to feature special Easter Buffet

The Nittany Lion Inn will feature a special Easter Buffet from noon to 2:30 p.m. and from 6 to 8 p.m. on Sunday, April 19.

The menu includes roast top round of beef, seafood chicken, baked ham with brandy sauce, newberg coq au vin, and kiabi and sauerkraut. A wide array of salads, cheeses and desserts will be offered, and the chef is preparing specially decorated centerpieces for the occasion.

The dinner is available for \$9.50 for adults and \$4.95 for children under 12. Those attending the evening meal may register for two free dinner-theatre tickets (\$36 value) for the April 25 Artist Series production of the Bella Lewitzky Dance Company.

Quiche Maya topic of SUNY professor

"The Quiche Maya" is the topic of a lecture by Dwight Wallace, an associate professor at SUNY/Albany, on Thursday, April 23, at 8 p.m. in Room 101 Kern Building.

His slide lecture is sponsored by the Central Pennsylvania Society of the Archaeological Institute of America.

Dr. Wallace will survey the achievements of the Quiche, a highland Maya group who were politically dominant in Guatemala until Alvarado conquered them and destroyed their capital at Utatlan.

The lecture, an archaeological and ethnohistorical integration, will concern itself with three contemporaneous elite-ceremonial centers, each situated on a defensible plateau with palaces and temples.

Three lectures set for Medieval Studies Week

Dr. Anthony Cutler, professor of art history, and two visiting speakers — Drs. Zehava and David Jacoby, Israeli educators and authors — will present lectures during the annual Medieval Studies Week, April 21-24.

Dr. Cutler, whose principal area of interest is Byzantine art, will speak about "Icons and Iconography" on Tuesday, April 21, at 8 p.m. in the Museum of Art. Among Dr. Cutler's many publications is a book, *Transfigurations: Studies in the Dynamics of Byzantine Iconography*.

Dr. Zehava Jacoby, lecturer in art history at the University of Haifa, will present the second of the week's lectures on Thursday, April 23, at 4 p.m. in Room 230 Arts Building. The author of numerous articles on art and sculpture in the Middle Ages, she will speak about "12th-Century Crusader Nazareth Rediscovered."

On Friday, April 24, Dr. David Jacoby will present the week's lectures with a presentation on "Acre: A City in the Crusader Levant" at 4 p.m. in Room 230

Arts Building. Dr. Jacoby, professor of medieval history at the Hebrew University of Jerusalem, is a visiting professor this year at the University of Pennsylvania. He has published three books on feudal structure and society in the Middle Ages and is finishing a fourth on cities founded by the crusaders.

A highlight of the week's activities will be a Medieval Banquet at 6:30 p.m. in the Maple Room, Henderson Human Development Building. During the banquet, Dr. Z. Jacoby will present awards to undergraduate and graduate student winners in the annual Medieval Studies Essay Contest. The banquet is open to the public, but reservations should be made as soon as possible by telephoning 865-3719.

Medieval Studies Week has been organized by the Medieval Studies and the Middle East Studies programs, with support from the Departments of Architecture, Classics and History. Dr. Cutler's lecture is sponsored by The Friends of the Museum of Art.

Students can register by mail for Fall Term

Many University students will be able to register by mail for Fall Term 1981 classes, according to Richard Soderger, director of registration and scheduling.

"This new option will allow eligible students to bypass the traditional arena registration," Mr. Soderger says. "This is an extension of the early registration concept already available to eligible students."

Undergraduate and graduate degree candidates enrolled at University Park Campus this term or Summer Term who preregister for Fall Term 1981 between May 1 and July 7 are eligible for the registration-by-mail option.

Students coming to University Park Campus for the first time Fall Term are not eligible, Mr. Soderger says. This includes first-term freshmen, transfers from Commonwealth Campuses and transfer students from other institutions.

Students who don't preregister, nondegree students and provisional students are not eligible either.

Students able to take advantage of the option can follow these procedures:

- (1) Purchase a Fall Term 1981 schedule of classes at the University Bookstore, HUB or Kern desks, or Registrar's Office. They will be available after May 1.
- (2) Meet with the academic adviser to plan the schedule for Fall Term and complete a preregistration form.
- (3) File the preregistration form at the Registrar's Office or the HUB desks. Deliver a self-addressed, stamped, business-size envelope to the Registrar's Office before July 30. Students who plan to graduate at the end of Fall Term should inform the registration clerk to make diploma arrangements. Free envelopes will

be available at the Registrar's Office, and postage stamps may be purchased there.

(4) Ensure that payment for tuition fees and other charges which will have been sent to the student's permanent home address are paid by the Aug. 14 deadline.

By about Aug. 10, the advance class assignment schedule, a registration-by-mail card and a diploma card, if appropriate, will be sent to the students in their self-addressed stamped envelopes.

University Park students who follow the procedures have three options, Mr. Soderger explains.

"Students who are satisfied with their schedule as shown on their advance class assignment schedule (pink slip) should sign the registration-by-mail card, complete the address information on the reverse side and mail the card to The Pennsylvania State University, Registration-By-Mail, Room 112 Shields Building, University Park, Pa. 16802."

"Or students may attend early registration, which will be held at 112 Shields from 8:30 a.m. to 4:30 p.m., Aug. 17 through 21. The pink slip and I.D. card must be presented for admittance."

The third option is regular registration. These students must report to the Intramural Building at exactly the time shown on their pink slip. The pink slip, tuition receipt, I.D. card and — if the class schedule is being revised — the revised number 2 card, must be presented."

Regular registration is scheduled for Sept. 3 and 4.

Students who register by mail will report to the Registrar's Office when they return to campus to have a Fall Term validation sticker placed on their I.D. card. Mr. Soderger says.

China-Penn State connection update

Dr. Charles Hosler, dean of the College of Earth and Mineral Sciences, reports that a person with a direct "link" to the China-Penn State "connection" (INTERCOM, April 9) is actually on campus.

The "link" is Mrs. Yu-Fang "Fragrance" Li, a research assistant in meteorology and daughter of Dr. Lai-Yung Li, a 1941 Penn State Ph.D. recipient in horticulture, who came to the University as a protégé of G.W. "Daddy" Groff.

Mrs. Li, while serving as a translator for two Americans visiting China — Dean Hosler and Dr. A.K. Blackadar, head of the Department of Meteorology — mentioned her father and Penn State, not realizing she was talking to two Penn Staters. After

telling them that she was being sent to Canada to study, Mrs. Li added that she would prefer to study in the U.S., because the weather patterns here are closer to those in which she is interested.

Dean Hosler and Dr. Blackadar, upon their return from China, invited Mrs. Li to study and do research here, and the Chinese government agreed.

And a final note on this chapter of the Penn State-China "connection": Dr. Li is planning to visit the University (and, of course, his daughter) this summer, marking his first return to the University since his departure on the eve of Pearl Harbor and World War II.



Mr. Rowell

Elliott lecture

(Continued from page 1)

Mr. Richardson was graduated cum laude from Harvard University in 1941 and also received his law degree from Harvard in 1947. He is the recipient of numerous honorary degrees.

He is chairman of the Public Advisory Committee on the Law of the Sea and also chairs the United Nations Association of the United States of America.

He is on the board of the World Wildlife Fund-U.S., the Advisory Board of the Center for Oceans Law and Policy, the Advisory Committee to the U.S. Coast Guard Academy, and numerous other public and professional organizations.

Mr. Richardson received the Albert Lasker Special Public Service Award in 1978, the Penn Club Award in 1977, the Federal Bar Council's Emory R. Buckner Medal for Outstanding Public Service in 1977, the Kansas City Art Institute's Thomas Hart Benton Award in 1976, and the American Institute for Public Service 1974 Jefferson Award.

He is the author of *The Creative Balance — Government, Politics, and the Individual in America's Third Century*, and of many articles on government, law and foreign policy.

Mr. Richardson will lead a seminar discussion with conference participants from 2 p.m. until 4:30 p.m. on Wednesday afternoon, following his public lecture.

On Thursday, April 30, at 9 a.m., Lester J. Rowell Jr., executive vice president and senior officer of Provident Mutual Life Insurance Co., will lead a discussion among conference participants.

Mr. Rowell joined Provident Mutual several months ago after a long career with Mutual of New York, where he rose to the position of senior vice president.

He is an alumnus of Penn State (Class of '55) and was graduated from Harvard's advanced management program in 1971.

A running back on the Penn State football team from 1951 through 1954, he received the State College Quarterback Club's 1973 Alumni Award for the "former athlete achieving outstanding success in another field."

Mr. Rowell is director of the Life Insurance Marketing and Research Association and chairs the Agency Officers Round Table.

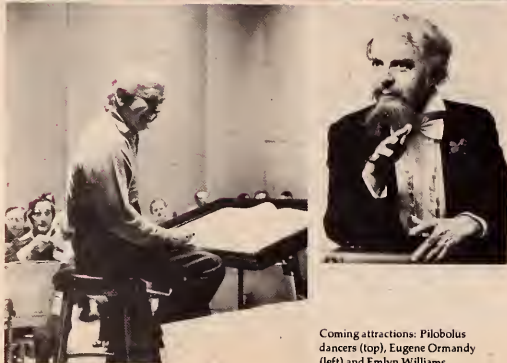
The annual conference is named for William Elliott, consultant and former chairman of the Executive Committee of Philadelphia Life Insurance Company and donor of the William Elliott Chair at Penn State.

Sigma Xi award

Timothy P. Mack of State College has been named recipient of the 1981 Sigma Xi Graduate Research Award at the University.

The award is presented annually to a graduate student for outstanding research. Dr. Mack received his M.S. degree in entomology at Penn State where he is a doctoral candidate. He received his B.A. in biology from Colgate University.

His current research centers on predators of the green peach aphid, a species found on potato plants.



Coming attractions: Pilobolus dancers (top), Eugene Ormandy (left) and Emlen Williams.

Artists Series announces '81-82 season

The Juilliard String Quartet will open the Artists Series 1981-82 season with a concert Sept. 22 in Schwab Auditorium.

As was the case last year, subscribers to one of the four series — Fine Arts, Music, Theatre/Dance, and Drama/The Actor — will be given priority for tickets to a special event, a January production of the musical, *The Best Little Whorehouse in Texas*.

In addition, subscribers to each one of the four series receive a 25 percent discount off the price of individual tickets; and subscribers to both the Music and Theatre/Dance series receive a 30 percent discount — or 12 events for the price of eight.

The Juilliard String Quartet's appearance is part of the Fine Arts Series, which also includes the Suzuki Strings, an internationally acclaimed group from Japan, on Oct. 15; the Gregg Smith Singers, recipients of three Grammy Awards, on April 30; and a "mini-series" of three prize-winning pianists — Gregory Allen on Oct. 30, Ursula Oppens on Feb. 5, and Cecile Licad on April 17.

Children of a Lesser God, Mark Medoff's Tony Award-winning play, will begin the six-performance Theatre/Dance Series on Sept. 23. The other five offerings are the Pilobolus Dance Theatre, an innovative company of six artists, on Nov. 6; Paul Osborn's *Morning's at Seven*, a comedy which also received a Tony Award, on Jan. 15; the 115-member Mazowiec Polish Dance Company, on Feb. 3; the Royal Winnipeg Ballet (with orchestra), a past favorite of Penn State audiences, on Feb. 19; and the Paul Gaudin Mine Company's presentation of *Mirage*, which combines theatre, dance and humor, on March 13. All Theatre/Dance performances will be in Eisenhower Auditorium.

The Music Series — also set for Eisenhower Auditorium — will begin on Oct. 2 with a concert by Carlos Montoya, flamenco guitarist. The additional five

offerings are the Chamber Music Society of Lincoln Center, in concert on Oct. 24; the Philadelphia Orchestra, with Eugene Ormandy conducting, on Jan. 19;

Frederica von Stade, mezzo soprano, on Feb. 13; the Pittsburgh Symphony Orchestra, in its 10th annual residency, with Michael Tilson Thomas conducting, on March 19; and *The Threepenny Opera* by Kurt Weill, produced by La Mama Etc. and Heritage Theatre Company, on April 3.

The fourth series, Drama/The Actor, will begin on Oct. 9 with Phyllis Newman starring in *The Madwoman of Central Park West*, which features an acting-singing-dancing cast of one. On Jan. 27, 29 and 30, five distinguished actors from the Royal Shakespeare Company will be actors-in-residence at the University, presenting three performances, two of which will be devoted to Shakespeare. (Specific programs will not be chosen until Fall 1981, and details will be sent to subscribers in November, together with an order form on which they may select two performances.) On March 26, the eminent Welsh actor Emlen Williams stars in *Charles Dickens: Scenes from the Famous Novels and Stories*. All Drama/The Actor performances are set for Schwab Auditorium.

Lively Arts for Young Audiences programs will be continued by the Artists Series during the 1981-82 season. Shinichi Suzuki will present his Talent Education Tour on Oct. 15, displaying his success in teaching violin to young children. The Pittsburgh Symphony Orchestra will offer a "Youth Concert" on March 20; and the Prince Street Players, an Emmy Award-winning company, will present *The Wizard of Oz* on April 24.

The Artists Series will begin sales to new subscribers on Thursday, April 30. Subscription order forms are available at the Artist Series office in Pine Cottage. Further information may be obtained by telephoning 865-1871.

Arts Roundup

Talks by photohistorians arranged for April 20-21

The 1981 History of Photography Events will resume April 20 and 21 with talks scheduled for 8 p.m. in Room 101 Kern.

The first lecture, "From Talbot to Television," will be presented by photohistorian Robert C. Snider. John Faber, photohistorian for the National Press Photographers Association, will discuss "Photojournalism: Ambition and Reality" for the second presentation.

Dr. Snider, who has taught English, journalism and photography at the Marine Corps Institute, the University of Minnesota, Indiana University and the University of Chicago, has written extensively on photohistorical and educational themes. His collection of books on the history of American photography is viewed as one of the major private holdings of its kind in North America.

The official historian to the National Press Photographers Association, Mr. Faber is also a senior technical sales representative with Kodak, specializing in press photography. He has had one-man shows in this country and abroad and has been the recipient of many awards as a photographer, including the President's Medal. The author of numerous articles as well as five books, Mr. Faber has also served as an advisor to newspapers in more than a dozen countries.

The free public talks are being sponsored by the Institute for the Arts and Humanistic Studies, the Departments of Art History and English and the School of Journalism. The 1981 History of Photography Events are being coordinated by Dr. Heinz K. Henisch, Institute Fellow and professor of the history of photography.

Fenner composition on April 22 program

A varied program of baroque, classical and 20th century pieces — including a composition by a University faculty member — will be performed by Musica da Camera Wednesday, April 22, at 8:30 p.m. in the Music Building Recital Hall.

"La Primavera," the third of the four Vivaldi "Seasons" concerti to be performed this year by Musica da Camera, will be the opening work on the program. It will be followed by "Suite for Strings," written in 1976 by Burt Fenner, professor of music.

The final selection for the evening, Haydn's Symphony No. 45 (known as the "Farewell" symphony), has been included in the program for a reason — many of the members of Musica da Camera will be graduating this spring. In the last movement of the symphony, musicians leave the stage one by one as their parts end.

Musica da Camera, which is composed largely of graduate students in the School of Music, is directed by Dr. Douglas Miller, associate professor of music.

California architect to describe his work

California architect Kendrick Bangs Kellogg will present a public lecture and slide show at 8 p.m. on Wednesday, April 22, in the auditorium of the Mineral Sciences Building. His visit will be sponsored by the Department of Architecture.

Mr. Kellogg, whose work with private residences has been said to show the influence of Frank Lloyd Wright, has designed homes in southern California and Hawaii.

Beittel

(Continued from page 1)

Arita is a town of about 50,000, and almost all its people are concerned in one way or another with the production and sale of pottery. Among its 70 kilns, Arita has three "big name" studios. Dr. Beittel observes. The largest employs about 180 potters — but only the "big name" potter signs his name on the work all these people produce.

"A plate from this studio can sell for as much as \$10,000," Dr. Beittel continues. "A tea bowl may bring \$4,000 or more. Pottery has become a fine art in terms not only of the respect it engenders but also of the financial rewards it brings to the Arita potters."

"When I went to Japan in 1967, I was searching for a tradition larger than my ego-bound one; now it seems to me that the Japanese are in danger of losing the very thing that drew me to them."

Dr. Beittel noted certain cultural differences in Japanese and American expectations of exhibiting artists. Japanese potters package the works they sell in beautifully crafted wooden boxes, which the artist then signs. Since Dr. Beittel did not have such boxes, the department store made photographs of each piece, which he subsequently signed in lieu of boxes. Unlike the United States, where artists only appear for the openings of their shows, in Japan they are expected to be on hand each day to talk to visitors.

Dr. Beittel estimates that he sold about 60 percent of the pieces he had brought with him. Not all of the works were for sale, for this was a representative show, covering the decade of 1970-1980. "One of the sales that pleased me most," he recalls, "was a natural clay bowl which was bought by a tea ceremony master. He was taking it to his home in the mountains to eat rice in after his retirement, and he expressed his delight in the bowl by presenting me with four of his calligraphies."

A further indication of Dr. Beittel's acceptance by the Japanese is an invitation he has received to exhibit with the potters of Arita in May at a special exhibit to be held at Mitsukoshi of Park Avenue in New York City.

A member of the faculty since 1953, Dr. Beittel came to Penn State from Winthrop College. He is a graduate of Carnegie-Mellon and holds M.Ed. and D.Ed. degrees from Penn State.

During his 1967 sabbatical, the University gave him funds to purchase a permanent collection of Japanese pottery for Penn State, and the pieces which he selected are on display in Chambers Building and in the Museum of Art.

"The University made a good investment," Dr. Beittel observes. "A Hamada plate I bought for \$150 in 1967 would sell now for about \$8,000."

Partial support for Dr. Beittel's exhibits in Japan was given by the School of Visual Arts, the Office of the Dean of the College of Arts and Architecture, the Provost's Office and the Institute for the Arts and Humanistic Studies, of which he is a Fellow. The American Center at Fukuoka contributed toward publication of the catalog.

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Senate

(Continued from page 1)

some of their classes might be taught by graduate assistants.

Senator Edward Klevans noted that this legislation implied that "freshmen would have to be warned that graduate students are inferior teachers, but you are going to have to have them, terrible as that may be." Dr. Klevans added that TAs are used at every major university.

Several other senators pointed out that the proposal put the University in the position of singling out graduate students as second-rate teachers.

Four informational reports, in addition to Dr. Oswald's, were presented.

Athletic Director Joseph V. Paterno, describing "The Role of Varsity Athletics in the University," pointed to the importance of faculty members maintaining control over the program in such areas as admissions, eligibility, normal progress and grading. "Normal abuses have occurred," Mr. Paterno emphasized, "when university faculties have been unwilling to face up to their responsibilities."

Mr. Paterno noted, however, that is was

essential that the Athletic Department maintain certain administrative controls—for example, being able to close Rec Hall during basketball practices.

Penn State has 31 intercollegiate sports, probably the largest program in the country, according to Mr. Paterno, who pointed out that none of them makes any money. "We subsidize the faculty," Mr. Paterno said. "You pay a cheaper price to see a football game than the general public. I don't pay a cheaper price to see a play on campus," he added.

Mr. Paterno also predicted that inflation was going to force some belt tightening in the athletic program. Between 1968-75, the football team played in seven major bowls and had a "windfall profit" of between \$3½-4 million. Since 1975, the University has had only one major bowl, and it does not make money from appearances in other than major bowls.

The results of a four-year study conducted by the Office of Residential Life Programs were reported on by its director, Dr. M. Lee Ucraft. A group of 1976 freshmen were followed from their entry at University Park to their graduation to determine what impact, if any, their experiences had upon their academic and personal development. Some of the

findings were:

- Black and white students with similar academic records have about an equal chance of staying in school.

- Intellectually oriented students are more isolated in their freshman year and are more likely to leave the University.

- Freshmen who live in residence halls drop out at about half the rate of those living at home.

- Students working more than half-time were more likely to drop out.

- Seniors expressed strong endorsement of their academic and personal experiences (although Dr. Ucraft pointed out that these were students who stayed in school.)

- While many seniors felt their academic preparation was good, the intellectual climate at the University was less highly rated.

- About one fourth of the seniors felt that the academic advising they received was poor.

- The theme that ran throughout the findings, Dr. Ucraft said, was that the students who were more likely to succeed were those who were able to establish meaningful relationships with their roommates, their fellow students and faculty members.

An Informational Report on the Basic Skills program was presented—tables appeared in the April 2 INTERCOM. Commenting on the report, Undergraduate Instruction Chairman Robert J. Heinsohn pointed out that, "While we look at freshman admissions and say how good we are, 30 percent of the students admitted are deficient in mathematics, English or both," and that the inability to control admissions means that there must sometimes be a "brutal" weeding out process after the student is admitted, sometimes as late as the junior year.

In connection with a report of the Capitol Campus Review Committee, Capitol Provost Theodore Gross addressed the Senate on that Campus's role in the coming decades. Its major contribution, he said, "can be to help Penn State have an urban presence because that's where most of the nation's problems are."

He also pointed to the need for Penn State to have a University presence near the State Government in Harrisburg.

Because of the length of the docket, the final item, a discussion by Dr. Kenneth P. Mortimer on "Collective Bargaining: The National Scene," was postponed until the May meeting.

Benefits

(Continued from page 1)

Benefits have been increasing in both value and services. For example, during the last three years the University has added dental and vision care programs to its already substantial health benefits. The cost of our group insurance programs has increased by 94.5 percent since 1974-75.

Penn State will pay \$27.7 million for retirement costs and \$14 million for social security costs in 1980-81. These costs have increased since 1974-75 by 118 percent and 90 percent respectively. Over the last eight years, 64 percent of the University's entire State appropriation increase has been required to meet mandatory cost increases in the University's share of costs of retirement and social security.

"We are now faced with a special problem. During the last two years, the costs of our group insurance programs, particularly health, have unexpectedly increased, principally as the result of much heavier utilization of benefits. Costs for 1980-81 are up \$2.7 million, or approximately 40 percent higher than for 1979-80, resulting in a serious budget problem for the University. It is important to note that if individuals were to provide health insurance from their own resources, the increased costs would have had to be borne personally through higher rates. Since 1968, the University has borne the entire cost of faculty and staff members' health insurance. Costs to the University in 1975 were \$27 per month (\$324 a year) per employee. Today the University provides \$67 per month (\$804 a year) per employee.

Exhibits

(Continued from page 3)

Festival Exhibit, Art Alley, Jim Weigle, landscapes of handmade paper, Browning Gallery, Benny Andrews, paintings The Gallery.

Kern Gallery: PSU Art Dept. Juried Photography Exhibit, through April 25. John Setz, glass work Mary Weidner, drawings.

Museum of Art: Recent acquisitions to the Museum's collection, through April 26. Selected works from the collections of Mimi and Sanford Field and Samuel Callu. Selections from the Museum's American collection. Watercolors from the permanent collection.

Pattee Library: Mary Barnes, drawings and paintings, East Corridor Gallery. Paul Flexner, drawings, through April 22. Frank Chesler, photographs, opens April 22. Lending Services Lobby, Andrew Risk and Thomas Hubben, ceramics and ceramic sculpture, through April 20. Ukrainian Folk art, opens April 20. Main Lobby, "Photography and Humor." Rare Books Room.



Dewar to give Priestley lectures

Dr. Michael J.S. Dewar, Robert A. Welch Professor of Chemistry at the University of Texas at Austin, will be the featured speaker for the 55th Annual Priestley Lectures, sponsored by the Mu Chapter of Phi Lambda Upsilon and the College of Science. The lectures are scheduled for April 20, 21, 22 and 23.

Dr. Dewar's topic will be "Quantum Mechanics as a Practical Chemical Technique." A complete schedule of his talks appears in the calendar on page 3.

Dr. Dewar is credited with improving the understanding of organic chemistry through the use of quantum mechanical methods. Specifically, he has made notable contributions to the knowledge of ground state properties of organic molecules and to the transition states involved in their reactions. As a beginning researcher, he postulated the structure of an important new class of natural compounds with the tropolone nucleus—at a time when organic chemists were just starting to use theoretical methods. His findings prompted organic chemists to begin using molecular orbital methods in their work.

A graduate of Oxford University with B.A., M.A. and D.Phil. degrees, Dr. Dewar remained at Oxford following his graduation, first as a postdoctoral researcher and then as the University's 1945 Imperial Chemical Industries Fellow. He spent six years as a research chemist in physical chemistry at Courtauld, Ltd., before joining the faculty of the University of London's Queen Mary College as professor and head of the department of chemistry. He was appointed professor of chemistry at the University of Chicago in 1959, and has been Robert A. Welch Professor of Chemistry at the University of Texas since 1963.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., April 23, 1981. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with fair employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

SENIOR APPLICATIONS PROGRAMMER/ANALYST, OFFICE OF PLANNING AND BUDGET, UNIVERSITY PARK Responsible to a Line Applications Programmer/Analyst or Systems Planning Specialist for the analysis, design and documentation of computer systems, the definition of program requirements, and the computer programming. Define requirements for information and/or computer assisted processing in consultation with supervisor. Bachelor's degree or equivalent in computer science or related field, plus two to three years of effective experience in computer programming and analysis required. Demonstrated success in oral and written communication is essential.

RESEARCH DATA WRITER, COLLEGE OF MEDICINE, HERSCHEY Responsible to the Chairperson, Department of Psychiatry, and to the Chief of Research for the preparation and writing and/or assistance in writing of various reports, articles, manuscripts, etc., related to the departmental research program. A bachelor's degree in composition or journalism, plus one to two years of effective experience in the writing and preparation of reports.

SERVICE ADVISOR, OFFICE OF BUSINESS SERVICES, UNIVERSITY PARK Responsible to the Manager of Telecommunication Services for the training and advising of telephone users in the proper and effective use of services and equipment provided by Telephone Services. Explain use of State Network system. Conduct customer service evaluations. Associate degree or equivalent in business, marketing or public relations, plus one to two years of effective experience with experience in telecommunication preferred. Good oral communication skills and experience in dealing with the public essential.

ACCOUNTING/IDP MANAGER, PENN STATE BOOKSTORE, UNIVERSITY PARK Supervise daily accounting requirements. Develop the control accounting function. Prepare computer programs that accomplish the requirements developed by appropriate systems analysis and problem definition techniques. Modify existing computer programs as necessary. Train and supervise data collection personnel and machine operators. Design forms. Responsible for the control and security of cash funds. Bachelor's degree or equivalent, preferably in computer science or accounting, with working knowledge of accounting principles and electronic data processing methods required. Two to four years of effective experience in accounting with supervisory and E.D.P. experience required. Retailing experience preferred.

ASSISTANT TO THE DEAN OF STUDENT AFFAIRS, BEAVER CAMPUS Responsible to Dean of Student Affairs for the administration and coordination of student aid programs and part-time

and summer student employment, for the coordination of special programs and services for veterans' affairs and for student receiving the EOP program on Beaver Campus. Supervise, coordinate, and, at times, initiate and implement special programs and services including orientation of new students, informal educational programs, leadership training, communication workshops, and services related thereto. Master's degree in student personnel or other related field, plus up to one year of effective experience or bachelor's degree with two to three years of effective experience.

ASSISTANT DEAN OF STUDENT AFFAIRS, BEAVER CAMPUS Assume responsibility for the Beaver Campus Student Affairs programs in the absence of the Dean of Student Affairs and carries out specific responsibility for Residence Hall Life, Student Activities, Student Organizations, Cultural Affairs and the Disciplinary System. Responsible for student activities programming, coordinate student activities and organizations, serve as advisor to Student Union Board and Student Government Association; coordinate and communicate with advisors and officers of all student organizations; advise Religious Affairs Committee in its promotion and coordination of religious programs. Master's degree in student personnel administration or relevant field or the equivalent, plus two to four years of effective experience in responsible student affairs positions.

ASSISTANT DIRECTOR OF NURSING SERVICE, COLLEGE OF MEDICINE, HERSCHEY Responsible to the Assistant Hospital Director/Director of Nursing Services for assisting with administration of the Department of Nursing Services within assigned patient care areas, including planning, organizing, staffing, coordinating, and evaluating activities necessary for continuation and supervision of nursing care. Master's degree in administration or related area preferred or equivalent, and three to four years of effective experience within a hospital setting and relating to the area of accountability as designated and current literature as a registered nurse with the Pennsylvania Board of Nurse Examiners.

Research Staff Pool

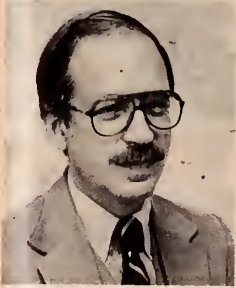
The University annually receives grants for projects designed to fulfill specific research responsibilities. Often the research grant or project is of relatively short or temporary duration. In most instances, University project administrators must react quickly in making selections of support staff personnel for their projects. Therefore, it is desirable to have an available pool of faculty and staff members who are interested in applying for such research support staff positions.

This announcement is made so that qualified individuals may make their own known. The types of temporary research support staff positions typically available are: Senior Project Associate, Project Associate, Project Assistant, Senior Research Technologist, Research Technologist and Research Technician.

The types of discipline backgrounds required vary depending on the projects involved. They may include physics, engineering, agriculture, mathematics, chemistry, but are not limited to these areas. If you apply, your name will be placed in the pool of candidates that will be considered as such opportunities arise. An announcement similar to this will be made each six months.

If you and that you are interested in and have background relating to typical University research projects, you may apply now or in the future for such temporary research support staff positions by calling the University's Employment Division, 865-1387 (network 475-1387).

Penn State Intercom



Courses in Arabic Civilization or Middle Eastern History are usually not among the biggest draws at any campus, but when word gets out that Dr. Goldschmidt will be teaching them, the classrooms are filled.

Dr. Goldschmidt heads the Middle East Studies Option, for which he has developed five courses. In large lecture classes, he divides students into small discussion groups, each handled by an intern whom he has carefully trained and supervises. Everyone in a discussion group — whose sessions Dr. Goldschmidt regularly attends — is expected to take part, to ask and respond to questions. Dr. Goldschmidt believes students should learn to think, not simply absorb their instructor's expertise.

Dr. Goldschmidt has experimented with various methods of testing. One of his innovations is the group oral exam: students will work harder, he says, to make a good impression in public on their peers.

Concern for his students extends well beyond the classroom. He invites them to his home to sample Middle Eastern food and music — his home phone number and address are always posted. One student recalls reporting as a freshman to Dr. Goldschmidt, his assigned advisor. On hearing that he was an English major, Dr. Goldschmidt walked him over to the English Department to meet some of the faculty members. On another occasion, when students complained to him about the food in their dormitory cafeteria, he took a meal there himself to evaluate the problem.

A former student, now a professor, says that even after ten years, Dr. Goldschmidt's influence as a role model persists. "I still find myself asking, 'How would Art Goldschmidt teach this?' My answer is always the same: 'Know your subject thoroughly, continue to be excited by it and let your students feel that joy.'" Dr. Goldschmidt came to Penn State in 1965. A graduate of Colby College, he earned his M.A. and Ph.D. at Harvard. He has already won the College of the Liberal Arts Outstanding Advisor Award and the Class of 1933 Award for Outstanding Contributions to the Teaching of Humanities. He received word this month that he has been named a Fulbright research fellow — his second such award.

The author of a textbook, *A Concise History of the Middle East*, Dr. Goldschmidt donates the royalties from copies bought by students in his courses to a fund which supports undergraduates who apply for the University's Foreign Studies Program at Tel Aviv University — a program he helped establish.

Five hailed for instruction

Five faculty members will be honored for their contributions to instruction as part of the Sunday, May 10, Honors Day program.

Receiving the 1981 AMOCO Foundation Outstanding Teaching Awards will be Arthur Goldschmidt Jr., associate professor of history; Charles G. Haas Jr., professor of chemistry; Neil A. Mercado, assistant professor of biology at Ogontz; and M. Leonard Shaevel, associate professor of physics at Hazleton. A \$1,000 check accompanies these awards, which are given to recognize excellence in teaching performance by faculty members in the undergraduate program.

Dr. Warren T. Morrill, professor of anthropology, will receive the second Raymond R. DiMeo Award for Instructional Improvement. This award, which consists of a certificate and \$500, is intended to recognize and encourage significant contributions by a faculty member for the improvement of undergraduate instruction over and above classroom teaching performance.

The AMOCO recipients, Provost Edward D. Eddy explains, are chosen from a group nominated by faculty members and students and recommended as finalists by a University Council committee of faculty members and students, chaired by Dr. Robert E. Dunham, vice president for undergraduate studies.

The Screening Committee for the DiMeo Award includes three faculty members designated by the Senate Committee on Undergraduate Instruction and two students. It is chaired by Dr. Eugene Melander, assistant vice president for undergraduate studies.



Dr. Mercado has taught biology up to his waist in mud, on the decks of a Windjammer schooner and at a nuclear power plant.

Students who see, feel and smell the environment, he believes, develop an attitude toward it that is not possible in textbook situations, and their learning is more permanent.

His creativity in combining principles and fieldwork to involve students who have never been particularly interested in science last year brought Dr. Mercado a Gustav Ohaus-National Science Teachers Association Award for Innovations in College Teaching.

Dr. Mercado's winning project, "Living in Our Environment — An Experiential Approach for Teaching

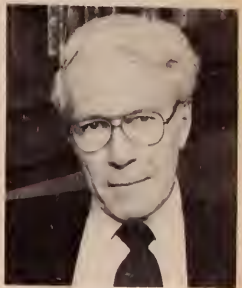


Hazleton students facing a Monday morning physics midterm always know where to turn for last-minute help. Professor Shaevel will be spending Sunday evening in the Campus library in order to be available for last minute questions.

"He has the longest office hours on campus," a student commented, "and he never makes you feel your questions are dumb."

Professor Shaevel is usually first in line when a student organization asks for faculty volunteers for committee work. He's turned up as a chef at a freshman chicken barbecue and as a croupier for a campus charity's Las Vegas night. When students put on such events as their annual spring concert, Professor Shaevel manages to make time to attend.

(Both stories continue on page 6)



University Park faculty members have a chance this afternoon (April 23) to experience directly Dr. Haas's involvement in the Teaching Information Processing System (2:20 p.m., Room 62 Willard).

TIPS is a computer-based program, first used in economics courses at the University of Wisconsin, which Dr. Haas has adapted for Chem 13. It enables an instructor to help each student identify his or her weakness — or mastery — of a unit of instruction. The student takes weekly ungraded quizzes carefully designed to sample the basic concepts in the unit under study. Promptly the next day, the student receives a personalized computer-produced report which gives remedial or advanced assignments for learning activities based on the student's performance on the "quiz." Student response has been overwhelmingly enthusiastic. In one class, 99 percent of the students responded with a "Yes" when asked if the CHEM TIPS program should be continued.

Dr. Haas has earned high praise from students at all levels. Year after year, a majority of the senior chemistry majors select Dr. Haas as the best teacher they have had at Penn State.

Dr. Haas is deeply involved in developing exciting lecture demonstrations for Chemistry 12 and 13. Students remark on his sense of humor; for example, one year on Halloween, he prepared an experimental solution that turned orange and black. Even in large classes of 400 students, he manages to evoke questions and class participation.

One of Dr. Haas's important responsibilities is the orientation of new teaching assistants for Chem 14 and 15 laboratories. He has instituted the practice of having each new TA prepare and present a "pre-lab" talk. The presentation is video-recorded and viewed by the TA and Dr. Haas.

Dr. Haas came to Penn State in 1951 after earning his master's and doctorate at the University of Chicago. (His B.S. was conferred by Virginia Polytechnic Institute.) He received his first teaching award in 1955 — The College of Chemistry and Physics Teacher of the Year. Last spring, he won the C.I. Noll Outstanding Undergraduate Teaching Award.

His contributions are recognized also by his peers. A senior chemistry faculty member, assigned to teach Chem 13 for the first time this spring, sat in on Dr. Haas's class as a model.



During the early seventies, Penn State's Anthropology I courses, by common agreement, were operating under several pedagogically undesirable conditions. Lecture sections were too large and impersonal; students' backgrounds and interests varied widely, and too much material had to be covered too rapidly. Dr. Morrill began working on a series of changes in 1973-74, and the structure of the new course was finalized in 1978.

Under the present format, students do not attend formal lectures, although occasionally outside speakers are asked to present special topics and students may attend voluntarily. In lieu of lectures,

(Continued on page 4)

Penn Staters

The Pennsylvania Art Education Association has selected Dr. Harlan E. Hoffa, professor of art education, as one of eight Outstanding Art Educators for 1980-81. Dr. Hoffa, who earned his doctorate at the University, returned to Penn State in 1970 to head the Department of Art Education, a post he had previously filled at Indiana University. He also headed Penn State's Division of Art and Music Education and was acting head of the School of Visual Arts.

A former president of the National Art Education Association, Dr. Hoffa received Wayne State University's Fine Arts Achievement Award in 1977 and a citation from the Pennsylvania Department of Education in 1972 for Distinguished Contributions to the Advancement of Education.

Dr. John E. Olson was an invited lecturer at a conference organized by the University of Arizona's Department of Mathematics in honor of the 75th birthday of the internationally known mathematician Henry B. Mann. Dr. Olson, an associate professor, spoke on "Some Open Combinatorial Problems on Finite Abelian Groups."

Provost Edward D. Eddy has been elected to the newly formed 13-member Corporate Board of Directors of Saint Vincent College and Seminary. This is the first time that persons outside of the Benedictine Community have been seated as members of the governing board. Dr. Eddy was named a trustee-director along with two other laymen, J. Wray Connelly, president of H.J. Heinz Co., and Gilbert McKenna, president of Kennametal Corp.

An article co-authored by Dr. John J. Horan, professor of education, has been honored as "the most outstanding piece of research published in the counseling literature during 1980" by the counseling and human development division of the American Educational Research Association. The article, "Stress Inoculation for Pain: What's Really Going On?," appeared in the *Journal of Counseling Psychology*. The second author is a former Penn State doctoral student. Dr. Gail Hackett, now at Ohio State.

The College and University Public Relations Association of Pennsylvania (CUPRAP) elected officers and directors recently at its annual meeting in Hershey. Arthur Cervo, director of public information and relations, was re-elected for a one-year term as president. Organized two years ago, CUPRAP is dedicated to the professional development of its members and to advancing the

interests of higher education in Pennsylvania. It includes 91 institutional and more than 250 individual members.

Dr. Torrence D. Parsons, associate professor of mathematics, recently returned from the University of South Carolina, where he presented a colloquium and seminar. His colloquium talk was entitled "More Results on the Pursuit-Evasion Problem" and his seminar topic was "Longest Cycles in r-Regular and r-Connected Graphs."

The University of South Carolina Press has issued a second and revised edition of Jan S. Prybyla's *The Chinese Economy*. The book was called "the quintessence of Western research on the economy of China" by Asian Thought and Society when it first appeared in 1978. The revised edition deals extensively with China's major post-Mao reforms. Dr. Prybyla is a professor of economics.

"Window Screen," a colored pencil drawing by assistant professor of architecture Richard Alden, has received the SAL (Springfield Art League) Award as the best graphic piece in the League's 62nd National Exhibition. The exhibition will be on display at the George Walter Vincent Smith Art Museum in Springfield, Mass., from April 26 through May 24.

Promotions

Faculty

Alfred J. Nanni to assistant professor of accounting in Business Administration.

Staff Exempt

Larry J. Jordan to coordinator, farm and greenhouse operations in Agriculture. Keith F. Stevens to executive producer in Agriculture.

Edward J. Todd to assistant financial officer in Controller's Office. Robert E. Wilson to program manager in Management Services.

Clerical

Karen L. Bowman to senior outpatient billing clerk at Hershey. Elizabeth N. Buchanan to clerk, accounting A in Agriculture.

Helen F. Clark to curriculum recorder in President's Office.

Sue Ellen Hampton to secretary A in Graduate School.

Deborah Snyder to secretary B in Liberal Arts.

Karen L. Sweeley to secretary B in Engineering.

Ann Eileen Wagner to secretary B at York. Linda M. Whitehill to conference secretary in Continuing Education.

Technical Service

Edward Behrer to laborer-helper utilities piping in Physical Plant.



From left: Dr. Pashek, Dr. Schrader, Dr. Williams.

25-year chairs

Three members of the College of Business Administration — Dr. Robert D. Pashek, associate dean and professor of business administration; Dr. William J. Schrader, head of the Department of Accounting and Management Information Systems and professor of accounting; and Dr. Arthur L. Williams, professor of insurance and head of the Department of Insurance and Real Estate — are receiving their 25-year chairs this spring.

Dr. Pashek, who is also acting director and one of the founders of the Pennsylvania Transportation Institute, assumed his present position in 1973. Previously, he was instrumental in developing for Penn State the first Department of Business Logistics in a major university, a department he headed from 1964 to 1972.

Currently on the board of directors of the Council of University Transportation Centers, Dr. Pashek is past president and former chairman of the board of the American Society of Traffic and Transportation and past president of the Transportation and Public Utilities Group of the American Economic Association. In 1965 he was named by Delta Nu Alpha as the National Transportation Man of the Year.

Dr. Pashek has served as a consultant on transportation matters for Pennsylvania and for various agencies of the federal government. He further has been involved in developing and conducting logistics programs in Peru with participants from the Andean Bloc countries. In addition, he has published numerous articles about transportation matters in professional journals.

Dr. Pashek received his A.B. degree from Central Washington College, his M.A. degree from the State University of Iowa and his Ph.D. from the University of Illinois.

Dr. Schrader, whose principal research is concerned with the formulation of theoretical models of financial accounting, assumed his present position as department head in 1976. Just prior to being named to the post, he was awarded a Fulbright lectureship in accounting at the University of Dar es Salaam, Tanzania, from 1973 to 1975.

He is the author of a number of professional articles and co-author of a book, *Financial Accounting: An Input/Output Approach*. In addition, he has served on the editorial board of *The Accounting Review* and on several committees of the American Accounting Association. His monograph explicating his concept of income measurement was published by Penn State's Center for Research.

Dr. Schrader, a certified public accountant, received his B.B.A. degree from Baylor University, his M.B.A. degree from Indiana University and his Ph.D. from the University of Washington.

Dr. Williams, who has served as head of his department since 1966, is currently conducting research on administrative costs in estates and writing a text,

Principles of Risk Insurance. He is the author of three previous books — *Relief of Charges in Unemployment Compensation*, *Introduction of Life Insurance* and *Essentials of Life Insurance* — and has contributed articles to numerous professional journals and various periodicals.

Dr. Williams — who received his B.A., M.A. and Ph.D. from Penn State — founded the Penn State Graduate Student Association in 1953, while earning his master's degree. After joining the faculty, he taught the first College of Business Administration course on open circuit television and in 1964 was the winner of the all-University "Professor Snarf" contest as Mr. Popular Professor. He also received the 1971 "Adviser of the Year" award from the College of Business Administration.

Currently chairman of the Pennsylvania Insurance Commissioner's All Industry Life and Health Insurance Advisory Committee on Licensing, Dr. Williams has served as a consultant and participant in a number of varied professional activities.

Obituary

Arthur D. Brickman, professor emeritus of mechanical engineering, died April 13 at the age of 60.

Dr. Brickman was a graduate of the University of Minnesota. He held a master's degree from Penn State and a doctorate from the University of Michigan. A member of the faculty from 1946 until his retirement last June, he received the 1967 Lindback Award for outstanding teaching.

Dr. Brickman pioneered the development of senior and graduate courses in automatic control; introduced scale-model equipment for studying shock and vibration effects in machinery; and was instrumental in the establishment of his department's Dynamic Simulation Laboratory. He was the author of a number of technical papers and co-author of a textbook, *Mechanical Measurements and Instrumentation*.

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"Planes Over Round Pool," a graphite drawing by William Davis, assistant director of the Museum of Art, is part of the artist's one-man show now at The Butler Institute of American Art in Youngstown, Ohio.

University Park Calendar

April 23 —
May 3

Special Events

Thursday, April 23

Deadling to submit reserve reading lists for Summer Term, Reserve Reading Room, W11

Fates
Commons concert, Phi Mu Alpha Band, noon, Kern Lobby.

Labor Studies Club, Student/Trade Union Conference lecture, 1 p.m., Robeson Center. Stanley Wales, father of Polish Solidarity leader Lech Walesa, and Tom Kahn, asst. of AFL-CIO president Lane Kirkland, discuss the Polish Labor Movement. Workshops, 2:30 p.m., 3rd floor HUB.

Sports: baseball vs. Bucknell (DH), 1:30 p.m.; lacrosse (women) vs. Maryland, 3 p.m. Electrical Engineering Retrospective Seminar, 4 p.m., Room 329 EE East. John S. Nisbet, electrical engineering and dir., Ionosphere Research Lab, on "The Solar System 25 Years Later: Where We Have Gone, Where We Are Going."

Medieval Studies Week lecture, 4 p.m., Room 230 Visual Arts Bldg. Zehava Jacoby, Univ. of Haifa, on "Twelfth-Century Nazareth Rediscovered."

SO Clock Theatre, *Long Distance*, 5:30 p.m., The Pavilion Theatre.

Cinematheque, *The Returners*, 7 and 9 p.m., HUB Assembly Hall. Also April 24.

Archaeological Institute of America lecture, 8 p.m., Room 101 Kern. Dwight Wallace, SUNY/Albany, on "The Quiche Maya."

Naiads, synchronized swimming, "Waterworks," 8 p.m., McCoy Natatorium.

Friday, April 24

Sports: volleyball (men), ECVL Championships, through April 25.

Crit demonstration, Richard Rutowski, calligraphy, 11:30 a.m., Kern Lobby.

Music in Interesting Times lecture, 2:20 p.m., Music Bldg. Recital Hall. Hansa Bhaskar, Indian classical musician, on "Non-Western Music."

Medieval Studies Week lecture, 3 p.m., Room 230 Visual Arts Bldg. David Jacoby, Hebrew Univ., on "Acre: A City in the Crusader Levant."

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Charles Ameringer, history, on "Costa Rican Democracy: Is There Trouble Ahead?"

SO Clock Theatre, *Long Distance*, 5:30 p.m., The Pavilion Theatre.

Commonplace Theatre, *King of Hearts*, 7 and 9 p.m., Room 112 Kern. Also April 26.

Shaver's Creek Nature Center, "Frogs, Toads and Salamanders," 7:30 p.m., Stone Valley. Naiads, "Waterworks," 8 p.m., McCoy Natatorium.

Artists Series, Bella Lewitzky Dance Company, 8:30 p.m., Eisenhower Auditorium.

Jazz Blue Band concert, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, April 25

Little International Livestock Show, 8 a.m.-3 p.m., University Bldg./Sheep Center.

Sports: golf (men), Nittany Lion Invitational, 8 a.m.; through April 26: softball (women) vs. Ohio State, 11 a.m.; lacrosse (men) vs. Hofstra, 2:15 p.m.

Shaver's Creek Nature Center, hike around lake, 9 a.m., Stone Valley.

Phi Psi 500.

France-Cinema, Rademakers, *Max Havelaar*, 7 and 9 p.m., Room 112 Kern. Also April 27.

Naiads, "Waterworks," 8 p.m., McCoy Natatorium.

Artists Series, Bella Lewitzky Dance Company, 8:30 p.m., Eisenhower Auditorium.

Sunday, April 26

Sports: softball (women) vs. Ohio State, 10:30 a.m. and Slippery Rock, 2:30 p.m.; baseball vs. Temple, 1 p.m.

University Chapel Service, 11 a.m., Eisenhower Chapel. Eston Williams, Program for Churches, Ideals, Inc. State College, speaker.

Artists Series, Bella Lewitzky Dance Company, *Tigra*, Game Plan, 2:30 p.m., Eisenhower Auditorium.

Phi Mu Alpha pledge recital, 9 p.m., Music Bldg. Recital Hall.

Monday, April 27

AAUW Used Book Sale, 9 a.m.-9 p.m., Wesley Foundation, Locust Lane and E. College Ave., through May 1.



A scene from the Crystal Palace, which will be discussed by Charles W. Mann, librarian, Special Collections, and professor of English, at 6 p.m. April 29 in Room 101 Kern. His talk, "The Great Exhibition of 1851," is the last in the 1981 History of Photography Events.

Commons film, "I, Leonardo DaVinci," noon, Room 112 Kern.
Shaver's Creek Nature Center, bird walk, 6:30 p.m., Toffrees.

Tuesday, April 28

Red Cross Bloodmobile, 10 a.m.-4 p.m., Walnut Bldg.

Comp. Lit. Luncheon, 12:15 p.m., Room 204 HUB. Margareta and David Bowen.

Georgetown Univ., on "Aspects of Simultaneous and Consecutive Translation."

Comp. Lit. Film Series, *The Pawnbroker*, 7 and 9 p.m., Room 112 Kern.

Shaver's Creek Nature Center, Armchair Naturalist, "Impact of Environmental Literature," 7:30 p.m., Room 273 Rec. Hall.

Wednesday, April 29

College of Business Administration, William Elliott Lecture, 9:45 a.m., Room 112 Kern. Elliott L. Richardson, former diplomat and cabinet officer on "Corporate Responsibility: To Whom and For What."

Red Cross Bloodmobile, 10 a.m.-4 p.m., Walnut Bldg.

Commons concert, Glenn Kiddier, noon, Kern Lobby.

Sports: baseball vs. Buffalo (DH), 1:30 p.m.; lacrosse (men) vs. Loyola, Md., 7:15 p.m.

Music in Interesting Times lecture, 2:20 p.m., Music Bldg. Recital Hall. Bert Fenner, music, on "Electronic Music."

Symposium on Ethics and Values, 4 p.m., Room 101 Kern. Eric J. Cassell, M.D., Cornell Univ. Medical College and Hastings Center, on "Suffering and Its Place in the Goals of Medicine." Respondent: Richard Zaner, Southern Methodist Univ.

Shaver's Creek Nature Center, bird walk, 6:30 p.m., Walnut Springs Park.

East Asian Studies lecture, 7:30 p.m., Room 305 HUB. Se Jin Kim, Korean Consul General, on "Korea and the U.S."

Colloquy lecture, 8 p.m., Eisenhower Auditorium. Isaac Asimov on "The Future of Man."

History of Photography/English Colloquium, 8 p.m., Room 101 Kern. Charles W. Mann, Jr., Pattee Library, on "The Great Exhibition of 1851."

Alard String Quartet, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, April 30

Commons concert, Phi Mu Alpha Band, noon, Kern Lobby.

College of Engineering, Honorary Engineering Lecture, 4 p.m., Room 115 EE West. Robert A. Froeh, president, American Association of Engineering Societies, on "Engineering and Public Policy."

Cinematheque, *Who'll Stop the Rain?* 7 and 9:15 p.m., HUB Assembly Hall. Also May 1.

Philosophy Dept., Dotter Lecture, 8 p.m., Room 101 Kern. Richard M. Zaner, SMU, on "The Other Descartes and Medicine."

URTC, Paul Giovanni, *The Crucifier of Blood*, 8 p.m., The Playhouse.

Friday, May 1

Football Reunion, through May 2.

Music in Interesting Times lecture, 2:20 p.m., Music Building Recital Hall. Becky McKee, State College Talent Education Program, on "Music and Children: Suzuki."

Sports: baseball vs. Lafayette, 3 p.m. Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Allan Rodgers, geography, on "Prospects for Economic Development in the Soviet Far East."

Commonplace Theatre, *Taxi Driver*, 7 and 9 p.m., Room 112 Kern. Also May 3.

URTC, *The Crucifier of Blood*, 8 p.m., The Playhouse.

Penn State Symphonic Wind Ensemble, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, May 2

66th Annual Penn State Dairy Exposition. "Show Day," 8:30 a.m.-3 p.m., University Dairy Barns.

Hetzl Union Board, "Movin' On," all day. HUB lawn. Also May 3.

Sports: tennis (women) vs. Michigan, 10 a.m.; track (men), Nittany Lion Relays, 10 a.m.; baseball vs. West Virginia (DH), 1 p.m.; Blue/White football game, 2 p.m.

France-Cinema, Armstrong, *My Brilliant Career*, 7 and 9 p.m., Room 112 Kern.

URTC, *The Crucifier of Blood*, 8 p.m., The Playhouse.

University Choirs, 34th Annual Spring Concert, Handel, *Israel in Egypt*, 8:30 p.m., Eisenhower Auditorium.

A daily calendar of events is available around the clock at 863-1234. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Sunday, May 3

University Chapel Service, 11 a.m., Eisenhower Chapel. Thomas G. Poole, PSU Office of Religious Affairs, speaker.

Sports: baseball vs. Pittsburgh (DH), 1 p.m. Jeff Smith, piano, 3 p.m., Music Building Recital Hall.

Phi Kappa Phi initiation and banquet, 6 p.m., HUB Terrace Room.

Seminars

Thursday, April 23

Statistics, Marjorie G. Hahn, Tufts Univ., on "Multidimensional Central Limit Theorems — A Fresh Perspective," 4 p.m., Room 62 Willard (new listing).

Friday, April 24

Metallurgy, David Michel, Naval Research Lab, on "Fatigue and Fracture in Nuclear Materials," 11 a.m., Room 301 Steidle.

Physical Chemistry, A.W. Castleman, Univ. of Colorado, on "A Glimpse of the Condensed State through Van der Waals Molecules and Ion Clusters," 2:30 p.m., Room 333 Whitmore.

Tuesday, April 28

Applied Research Laboratory, Michael L. Billet, ARL, on "Optical Resolution of Micro-bubbles in the Boundary Layer," 10:45 a.m., Walker Conference Room, Applied Science Bldg.

MCB, Donald Coffey, Johns Hopkins Univ., on "Nuclear Matrix Structure and Function," 11 a.m., Room 101 Althouse.

Metallurgy, H. Wei, grad. asst., on "Preferential Removal of Co from a Co-Pt Alloy by HCl," 11 a.m., Room 301 Steidle.

Environmental Pollution Control, James Brennan, civil engineering, on "Safety Aspects of Hazardous Waste Monitoring," 2:20 p.m., Room 128 Sackett.

Chemical Engineering, Eli Ruckenstein, SUNY/Buffalo, on "Behavior of Supported Metal Catalysts in Various Chemical Atmospheres," 3:45 p.m., Room 140 Fenske.

Biology, Rudolph M. Schuster, Univ. of Massachusetts, on "The Origin of Genetic and Familial Endemism in the Convolvulaceae Bryophyte Flora," 3:55 p.m., Room 8 Mueller.

Plant Pathology, Richard Lotstein, grad. student, on "Cadmium Bioaccumulation: A Tale of Two Systems," 3:55 p.m., Room 213 Buckhout.

Engineering Science and Mechanics, Gerry Noel, Solar Energy Materials and Systems, Battelle Columbus Labs., on "Novel Solar Cell Materials and Devices," 4 p.m., Room 214 Hammond.

Philosophy, Tony O'Connor, University College, Cork, Ireland, on "Categorizing the Body," 4 p.m., Room 101 Kern.

Wednesday, April 29

Geosciences, Brian J. Skinner, Yale Univ., on "Styles and Frequency of Mineralization during the Proterozoic," 3:45 p.m., Room 26 Mineral Sciences Bldg.

Thursday, April 30

Ceramic Science and Engineering, Tapan K. Gupta, Westinghouse Electric Corp. R & D Center, on "Zinc Oxide Varistor Materials," 11 a.m., Room 301 Steidle.

Chemistry, Andrew Kende, Univ. of Rochester, on "New Topics in Asymmetric Synthesis," 12:45 p.m., Room 333 Whitmore.

Agronomy, Timothy Ravinsky, grad. student, on "Relationships Between Hydraulic Conductivity and Soil Percolation," 3:55 p.m., Room 111 Tyson.

Physics, Richard Wilson, Harvard Univ., on "Quark Spectroscopy and Colliding Beams," 3:55 p.m., Room 445 Davey.

Fuel Science, Alan Scaroni, fuel science, on "Carbonization of Anthracene Over Surfaces," 4 p.m., Room 301 Steidle.

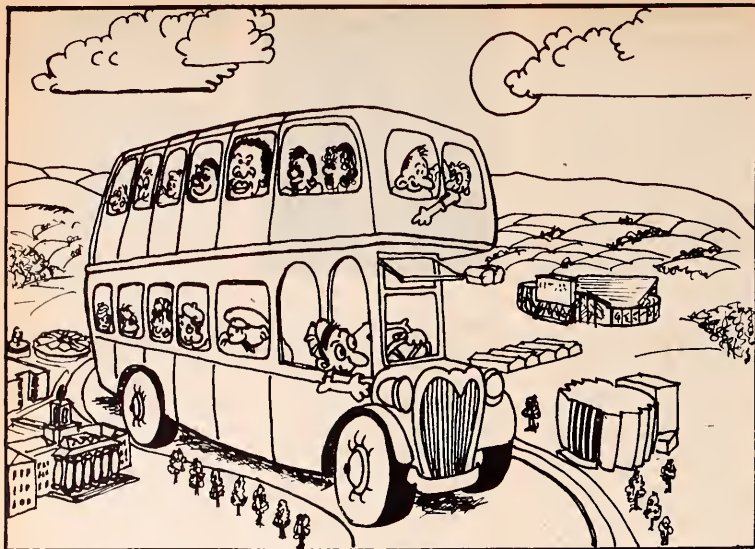
Friday, May 1

Analytical Chemistry, Fred Lytle, Purdue Univ., on "The Use of Lasers in Applied Spectroscopy," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Kenneth Johnson, mcb, on "Intermediate States in the Pathway of ATP Hydrolysis by Actomyosin," 2:30 p.m., Room 333 Whitmore.

Engineering Science and Mechanics, Kenneth Jones, Colorado State Univ., on "Morphological Defects in (0001) CdS and Their Effect on CuS/CdS Solar Cells," 4 p.m., Room 216 Hammond.

(Exhibitions are listed on page 4)



She just keeps rolling along

It doesn't go fast, and it doesn't go far, but Penn State's London Bus can always be counted on to make its appointed rounds. The 31-year-old rolling relic has earned the respect — even the affection — of the people who take care of it.

"I'm amazed at the darn thing," supervisor of Fleet Operations Samuel Blazer says. "It seems just to chug away all the time."

Every spring, summer and fall, the 1950 A.E.C. Regent London Transport bus rolls out of the Fleet Operations parking lot to provide guided campus tours to students, visitors and sightseers.

For any vehicle, 31 years is a long life, but the 7,720-pound double-decker bus has run with few major repairs since it came to the University from Europe in 1973.

The bus has to stay outside when not in use because at 13 feet, 3 inches high, it's too big for a garage. But even spending long winters outdoors doesn't seem to affect it.

"After that rough winter three years

ago, the engine kicked over the first time we tried to start it," Mr. Blazer recalls.

"The problems we've had with the bus so far have been slight," garage supervisor Donald Weaver says. "We've had no major engine trouble. At one point we had to locate a reconditioned transmission to keep the bus rolling, and we also converted from a 24-volt to a 12-volt electrical system."

Mr. Weaver notes that the bus receives a State inspection every six months and requires routine maintenance, but aside from the fact that it burns more oil than most vehicles, it's not much of a bother to the garage's 15 mechanics.

After the bus came over, it had to have an emergency brake system installed to pass State inspection, and it needed a new bumper, says David Schuckers, who made the arrangements to bring it to the University.

Mr. Schuckers, director of governmental relations and formerly director of University relations, said the bus was in good enough condition when it

came off the ship in Baltimore that Bellefonte towing service owner Skip Stewart was able to equip it with salvage license plates and drive at a steady 35 miles-per-hour, up and down hills, to State College. The regular four-hour trip took about eight hours, Mr. Stewart remembers.

Mr. Blazer says the biggest problems with the bus are keeping the paint and lettering bright and the intercom system operating.

The Penn State Alumni Association bought the bus in 1973 from London Transport for about \$1,600, Mr. Schuckers says, and paid about the same amount to ship it. It was the last bus available at its size; the others were a foot taller. Only 76 of the "lowbridge" buses were built, and none is used by London Transport today.

London Bus tours leave at 1:30 and 2:30 p.m. Monday through Friday from the HUB entrance. Private tours can be arranged by calling the Office of Campus Relations at 865-2501.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 473-1387). Applications for these staff vacancies will be accepted until 5 p.m., April 30, 1981. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

BOOKSTORE MANAGER, UNIVERSITY BOOKSTORE, MCKEESPORT CAMPUS Responsible to Director, Penn State Bookstore System, for purchasing, financial and retail operation of McKeesport Campus Bookstore.

Oversees quantity of each textbook, title, associated text material, supply items and equipment items for each registration period. Responsible for inventory. Approves all invoices for payment. Accountable for and controls cash, cash registers, and preparation of report of cash receipts. Studies new lines of merchandise and reactions to the new lines of merchandise. Supervises several full-time clerical employees and a varying number of part-time clerical employees. High school grade with three to four years effective retailing experience or associate degree in business or retailing and one year effective experience. Must have retail and/or bookstore experience.

ASSISTANT TO THE MANAGER, HETZEL UNION BUILDING, STUDENT AFFAIRS, UNIVERSITY PARK Responsible to the Manager, Hetzel Union Building, for the supervision and operation of the Hetzel Union Building physical facilities, equipment and programs during the evening and weekend hours of operation. Associate degree, plus one to two years of effective experience or equivalent are required. Must have demonstrated ability to supervise, train, and direct other employees and to serve politely, but firmly, the general public.

RESEARCH AIDE, COLLEGE OF AGRICULTURE, UNIVERSITY PARK Responsible Associate Professor for conducting research tasks and collecting experimental data for laboratory and field operations. Collect, organize and enter data for laboratory and field operations. Collect, organize and enter data on RIF terminal. Select package programs or write elementary programs to obtain summary statistics of the data. Supervise the work of part-time employees and assist graduate students in the laboratory and field. Oversees and participates in the planning, on-going maintenance and harvesting of experimental crops. Layout plots and insure that experimental design fits physical field dimensions. Responsible for the application of systematic insecticides as appropriate. Prep are reagents. Calibrate application equipment. Diagnose or equivalent in biology or related field, plus six to nine months of effective experience. Knowledge of basic programming and data processing routines.

ASSISTANT HOSPITAL DIRECTOR/DIRECTOR OF FINANCIAL AFFAIRS, COLLEGE OF MEDICINE, HERSHEY Responsible to the Hospital Director for the development, interpretation coordination and administration of the Hospital's policies on finance, accounting, insurance, admitting, internal controls, auditing and management of records and procedures. Bachelor's degree in accounting or business administration (master's preferred) or equivalency and significant experience in a hospital or consulting environment. Strong managerial and technical skills are required.

Exhibits

(Continued from page 3)

Chambers Gallery: Undergraduate Art Education Student Exhibit, through April 30.

HUB Galleries: Third Annual Slavic Folk Festival Exhibit, through April 30. Yachad Exhibit, opens May 1. Art Alley. Jim Weigle, landscapes of handmade paper through April 30. Browning Gallery. Benny Andrews, paintings, through April 30. The Gallery.

Kern Gallery: PSU Art Dept. Juried Photography Exhibit, through April 25. John Seitz, glass work, and Mary Wedner, drawings, through April 29. Robert Graves, prints, opens April 29. Martha Holt, clay and photographs, and Bill Rienser, leather, open May 1.

Museum of Art: Recent acquisitions to the Museum's collection, through April 26. Selected works from the collections of Mimi and Sanford Feld and Samuel Galla. Selections from the Museum's American collection. Watercolors from the permanent collection.

Pattet Library: Mary Barnes, drawings and paintings, through April 30. "Archaeology: Past, Present and Future," opens April 30. East Corridor Gallery. Frank Chetelat, "A Photographic Inquiry into European Architectural Motifs," Lending Services Lobby. Ukrainian Folk Art, Main Lobby. "Photography and Humor," through May 1. Rare Books Room. Frank Schraeder, paintings, through May 1. West Patter Lobby.

Morrill receives DiMeo Award

(Continued from page 1)

students must master a series of nine information units consisting of readings and audio-visual materials. They progress at their own speed, having access to tutoring by either undergraduate or graduate assistants whenever necessary. Students are tested on their knowledge of each unit and graded accordingly. If they perform poorly in a unit, they are given the opportunity to improve.

Anthropology I does not use a traditional text. Instead there are selections from the professional literature and a reading guide to place the papers in their historical and theoretical contexts. Extensive use is made of audio-visual materials, which are carefully integrated with the readings. A study guide is provided for each audio-visual unit.

Students spend most of their time not in class but in individual study and viewing of the audio-visual materials. This allows a greater scope for student self-pacing. Although some 450 students take the course each term, only 20 students are assigned to a tutor, with whom they meet individually.

Tutors are students who have taken the

course previously and performed well, and they are given systematic instruction in educational principles and techniques, specifically as applied to Anthropology I.

When the performances of students in the individualized course are compared with those taking Anthropology I under the regular lecture mode, the former regularly perform better on the same examinations and their course evaluations are higher. The revised course enrolls the maximum permissible number of students each time it is offered; standard lecture courses do not.

Change Magazine, in summarizing some of the most notable improvements in American undergraduate teaching during 1978, cited Dr. Morrill's innovations.

Dr. Morrill joined the Penn State faculty in 1970 as professor and head of anthropology; he resigned the headship last year to return to teaching and research. He earned his undergraduate degree at the University of Michigan and his M.A. and Ph.D. at the University of Chicago. Before coming to Penn State, he was a faculty member at Bucknell University.

Faculty/Staff Alerts

Health insurance reminder

Faculty and staff members with children are reminded that dependent children are covered under the University's health insurance programs until the age of 19, unless they are full-time students. Those who are full-time students continue to be covered until age 23. Therefore, it may be desirable to seek other health insurance coverage in advance for such individuals approaching age 19 or 23, as applicable.

The University's insurance carrier does offer a hospital/surgical/major medical plan to which the group insurance program may be converted. Information and application forms for this conversion coverage may be obtained from the Employee Benefits Division, Room 133 Willard Building (865-1473). Information about other independent coverage can be obtained from commercial agencies or salespersons.



AAES head will lecture

Dr. Robert A. Froesch, president of the American Association of Engineering Societies (AAES), is the 1981 Honorary Engineering Lecturer.

Dr. Froesch, until recently administrator of the National Aeronautics and Space Administration (NASA), will speak on "Engineering and Public Policy" on Thursday, April 30, at 4 p.m., in Room 115 Electrical Engineering West.

From 1975 to 1977, Dr. Froesch was associate director for applied oceanography at the Woods Hole Oceanographic Institution. Before that he was assistant executive director of the United Nations Environment Program, with the rank of U.N. assistant secretary general. He was also an assistant secretary of the Navy for research and development, and deputy director of the Defense Department's Advanced Research Projects Agency. After receiving three degrees from Columbia University in theoretical physics, Dr. Froesch joined Columbia's Hudson Laboratories and worked on naval research projects. From 1956 to 1963 he was director of the faculty.

Since 1969, he has been the Department of Defense member of the Committee for Policy Review of the National Council on Marine Resources and Engineering Development. In 1967 and 1970, he was chairman of the U.S. Delegation to the Intergovernmental Oceanographic Commission meetings at UNESCO in Paris.

The recipient of several awards, including the U.S. Navy Distinguished Public Service Award in 1969 and the Defense Meritorious Civilian Service Medal in 1973, Dr. Froesch is a member of Phi Beta Kappa and Sigma Xi.

Stanley Walesa to address conference

Stanley Walesa — father of Polish Solidarity leader Lech Walesa — will discuss the Polish labor movement today at 1 p.m. in the Paul Robeson Cultural Center. He will be joined by Tom Kahn, assistant to AFL-CIO President Lane Kellard.

Mr. Walesa and Mr. Kahn are the featured speakers of the 11th annual Student/Trade Union Conference, sponsored by the Penn State Labor Studies Club. Other of the day's activities include four informal workshops, set to begin at 2:30 p.m. on the third floor of the HUB. The workshops will focus on "The South African Labor Movement" (led by South African dissident Dennis Mumble), "The Labor Movement in Poland," "Plant Closures and Their Effects," and "OSHA's Future under President Reagan's Administration."

The Conference is open to the public.

Seminar set on test construction

The University Division of Instructional Services (UDIS) is sponsoring a two-part seminar entitled "Test Construction."

The first session will be conducted on Thursday, May 7, from 2 to 4 p.m., in Room 128 Mitchell Building and will be repeated on Friday, May 8, from 2 to 4 p.m. The second part will be scheduled for Tuesday, May 12, from 2 to 4 p.m., and repeated on Wednesday, May 13, from 2 to 4 p.m.

The seminar will be conducted by Dr. Maurice W. Villano and Barbara Wright, members of the Instructional Improvement Staff of UDIS.

Part I of the seminar will deal with the role of classroom testing in instruction, the use of learning objectives in designing tests and the relationship between instructional objectives and testing procedures.

Part II will address the functions of essay and objective type tests, their strengths and weaknesses, and methods for writing test items.

The seminar will emphasize test development as a part of the Instructional System Model. Some general principles of appraisal will be discussed in practical terms. Specific guides for planning tests, writing objectives and test items will be presented.

A question-and-answer discussion period will follow each presentation. Small group follow-up sessions will be arranged for participants interested in pursuing the topic in greater detail.

The seminar is limited to 35 participants on a first-come basis. For more information and to make reservations, call 863-0668.

Asimov to discuss science and space

Isaac Asimov — futurist, biochemist and author of more than 200 books — will present a Colloquy program on Wednesday, April 29, at 8 p.m. in Eisenhower Auditorium. In keeping with Colloquy's Spring Term theme of "Future Alternatives," Dr. Asimov will speak about science and space.

A writer whose work encompasses virtually every aspect of science and its implications for the future, Dr. Asimov holds B.A., M.A., and Ph.D. degrees from Columbia University. He is a professor of biochemistry at the Boston University School of Medicine, where he has served on the faculty since 1949. He has received numerous honors and awards, including the American Chemical Society's James T. Grady Award and the American Association for the Advancement of Science-Westinghouse science writing award.

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Korean Consul General to appear April 29

Dr. Se Jin Kim, Korean Consul General at New York, will deliver a public lecture, "Korea and the United States, on Wednesday, April 29, at 7:30 p.m. in Room 305 HUB.

Dr. Kim earned a Ph.D. from the University of Massachusetts in 1966 and was professor and chairman of the political science department at North Carolina Central University during the early seventies. He then returned to Korea to serve in various posts, including that of director of the Institute of Foreign Affairs and National Security. He came to New York as Korean Consul-General early this year.

Dr. Kim, a prolific writer, is the author of a book, *The Politics of Military Revolution in Korea*.

His talk is sponsored by the East Asian Studies Committee.



Mr. Book

Book to be Alumni Fellow

Edward R. Book, chairman of the board and chief executive officer of the Hershey Entertainment and Resort Company, will visit University Park April 27-29 as an Alumni Fellow of the College of Human Development.

After receiving his B.S. in hotel administration in 1954, Mr. Book, a native of Harrisburg, held a variety of posts, including serving as food and beverage manager and assistant manager of the Hotel Harrisburg, and as vice president and general manager of the Hospitality Motor Inn in Cleveland, Ohio.

He began his affiliation with Hershey in 1969 as general manager of the Hotel Hershey. In 1970, he was named managing director of the Hotel Hershey and Hershey Country Club. The following year, Mr. Book became director of the hospitality division of HERCO, Inc., and was named vice president in 1973. In February 1974, he assumed the position of executive vice president and assistant to the president and later that year was named chairman of the board and president. He assumed his current position in 1980.

A member of Penn State's Board of Trustees, Mr. Book is chairman of the Board's Milton S. Hershey Medical Center Advisory Committee. He further serves the University as a member of the Advisory Board of the Capital Campus.

Mr. Book, immediate past president of the Penn State Alumni Association, is a member of the Penn State Fund Council and a director of the Penn State Hotel and Restaurant Alumni Society.

Fulbright conference to be held May 3-6

Shahid Javed Burki, chief of the World Bank's Policy Planning Division, will deliver the keynote address at the Eastern Regional Conference for Fulbright-Hays Scholars to be held at the University May 3 to 6. Mr. Burki's topic, and the conference theme, will be "Global Interdependence: Changing Perspectives in International Policy in the '80s." He will speak at 9:15 a.m. on Monday, May 4, in Room 402 Keller Building.

A second major address will be delivered by A. Ralph Carnegie, professor of law at the University of the West Indies and a senior Fulbright scholar at Yale University. He will speak on "The Law of the Sea" at 10:45 a.m., also on May 4 in Room 402 Keller.

Sixty Fulbright scholars currently teaching and conducting research at U.S. colleges and universities have registered for the program, according to Noeleen Martin, planning committee chairman. Local Fulbright alumni are invited to participate; details are available from Mrs. Martin at Room 306 Willard Building (telephone 865-9549).

From the Press

Wilhelm Muller, The Poet of the Schubert Song Cycles: His Life and Works. By Cecilia C. Baumann. 191 pages, \$17.50.

In this comprehensive study of Johann Ludwig Wilhelm Muller (1794-1827), Dr. Baumann presents a lively and vivid profile of the poet, prose writer, translator, critic, editor, philhellene and traveler whose life reflects the landscape of literary concern from the Romantic movement to Junges Deutschland. In the words of one reader, the book should interest "any person with a general concern for the complex interrelationship of cultural and socio-political forces and the contact of key persons in German-speaking culture with one another during the late 18th and early 19th centuries . . . as a veritable 'window' into the period of Goethe."

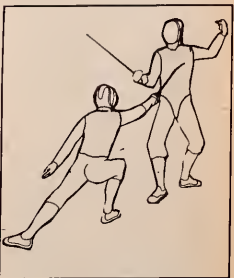
Considered a German Byron by his contemporaries, Muller is usually remembered today as the German Romantic poet whose lyrics Franz Schubert set to music in *Die schöne Müllerin* and *Die Winterreise*. Goethe very likely became acquainted with Muller's writing appearing in its native Germany. The book — part of the Penn State Series in German Literature (general editor, Joseph P. Streika) — includes several photographs and illustrations.

Dr. Baumann's text is in English, with Muller's writing appearing in its native German. The book — part of the Penn State Series in German Literature (general editor, Joseph P. Streika) — includes several photographs and illustrations.

Foil Fencing: Skills, Safety, Operations, and Responsibilities for the 1980s. By Maxwell R. Garret and Mary H. Poulson. 134 pages, \$9.75.

Described by Notre Dame Coach Michael DeCicco as "a bible for beginning fencers," this comprehensive instructional manual presents an overview of the sport from physical conditioning and basic skills to advanced skills and strategies. Beginning fencers and instructors in search of a basic textbook for fencing techniques and terminology, as well as intermediate and advanced fencers and instructors seeking a back-to-basics source book, will find helpful ideas and approaches in this easy-to-understand guide.

Mr. Garret, associate professor of recreation and parks and Nittany Lion men's fencing coach, has been the coach of several international fencing teams and in 1975 was inducted into the City College of New York Athletic Hall of Fame. A past president of the National Fencing Coaches Association of America, he is chairman of the Amateur Fencers League of America. Mrs. Poulson is associate professor of physical education and men's and women's fencing coach at Lawrence University. Mr. Garret and Mrs. Poulson previously co-authored the 1971 book, *Fencing*.



SMU professor will give Dotterer Lecture April 30 in Kern

The second of this year's Dotterer Lectures, part of the 12th Annual Dotterer Lecture, will be presented on Thursday, April 30, at 8 p.m. in Room 101 Kern.

Dr. Richard M. Zaner, Easterwood Professor of Philosophy at Southern Methodist University, will deliver the lecture, which is titled "The Other Descartes and Medicine." The public is invited to attend.

The author of numerous books and articles about the philosophical and ethical dimensions of medicine, Dr. Zaner's most recent book is *The Contest of Self: A Phenomenological Inquiry Using Medicine as a Clue*. He serves on the editorial boards of a number of professional journals, including the *Journal of Medicine and Philosophy*, which he helped to found. He also is publications committee chairman for the Society of Health and Human Values. Prior to joining the Southern Methodist faculty, Dr. Zaner was a professor and director of the division of social science and humanities at SUNY-Stony Brook. He has held several adjunct professorships and twice served as a visiting professor at the University of Missouri Health Services Center.

The Dotterer Lecture Series was established in the Department of Philosophy to honor the late Professor Ray Dotterer, who served as head of the Department from 1938 until his retirement in 1947.

Funding Sources

For further information, call 865-1372

(358-1) COUNCIL FOR INTERNATIONAL EXCHANGE OF SCHOLARS ANNOUNCES 1982-83 FULLBRIGHT OPPORTUNITIES FOR UNIVERSITY TEACHING AND ADVANCED RESEARCH ABROAD

More than 500 Fulbright awards in over 100 countries are now available for university teaching and post-doctoral research in 1982-83. The awards are usually for 4-6 months, with an increasing number of research openings in this award cycle. Many of the programs encourage applications in any of several fields. The regionally funded programs include Africa research, American Republics research, Indo-U.S. Subcontinent research, Islamic civilization research, Near East/South Asian short-term lectureships, and Spanish Treaty research. The country programs with research opportunities are as follows: Argentina, Austria, Belgium, Brazil, Denmark, Egypt, Finland, Germany, Greece, Iceland, India, Indonesia, Israel, Italy, Japan, Korea, Netherlands, Peru, Philippines, Romania, Singapore, Syria, Taiwan, Turkey, United Kingdom, and Yugoslavia. The country programs which offer university teaching are: Colombia, Malaysia, Mexico, Nigeria, Norway, Poland, Sudan, Venezuela and the U.S.S.R. To be eligible, an applicant must be a U.S. citizen and have appropriate academic and experience credentials. To qualify for lecturing, an applicant should have postdoctoral college or university teaching experience in the field of application. For research, interested applicants should possess doctoral degrees or comparable professional qualifications. Eligible scholars interested in a later possibility (after 1982-83) may receive major announcements for the next two years by completing registration forms. The deadline is June 1, 1981, for the American Republics, Australia and New Zealand, and July 1, 1981, for Africa, Asia, Europe and the Middle East. A booklet listing the various opportunities may be obtained from CIES and prospective applicants should indicate preferred openings when requesting application materials.

For further information, write Council for International Exchange of Scholars, Department N, Eleven Dupont Circle, N.W., Suite 300, Washington, D.C. 20036 (202-833-4950) and/or contact your Faculty Fulbright Advisor, Richard L. Grube, Associate Professor, Department of Architecture, 206 Engineering C (865-9335).



Dr. Zaner

Eric J. Cassell, M.D., F.A.C.P., will speak on "Suffering and Its Place in the Goals of Medicine" on Wednesday, April 29, at 4 p.m. in Room 101 Kern Building.

Responding to the paper will be Richard M. Zaner, the Philosophy Department's Dotterer Lecturer. Together, their talks will complete the second annual Symposium on Ethics and Values sponsored by the Center for Value Studies and Professional Ethics.

Dr. Cassell is clinical professor of public health at Cornell University Medical College, a diplomate of internal medicine in private practice, and a member of the Board of Directors of the Hastings Center (Institute of Society, Ethics and the Life Sciences).

His research and writing have focused on the underlying bases of medical practice and the relationship between doctors, patients and disease. He is the author of *The Healer's Art*.

AMOCO award to Shaevell

(Continued from page 1)

Recognizing the difficulty many undergraduates have with the subject matter in his courses, Professor Shaevell developed a unique one-semester, take-home exam — which is optional. Designed as a review mechanism, the exam incorporates into one problem most of the major concepts discussed during the first seven weeks of Physics 201.

He has also designed microcomputer programs to enhance classroom demonstrations in his physics courses; copies of these programs are now being used by science faculty members at other campuses. He also completed successfully a major revision of the 35 laboratory exercises used in undergraduate physics courses at Hazleton.

To avoid cramming on the part of his students, he tests them often — seven weekly quizzes, three full-period exams and a comprehensive final. In response, students have twice elected him Hazleton Teacher of the Year (1970 and 1977).

A member of the Campus's faculty since 1966 and the co-author of three text books, Professor Shaevell earned his B.S. and M.S. degrees at Lowell (Mass.) Technological Institute. In addition to his undergraduate teaching responsibilities, he helped develop a workshop for high school and college students on the theme, "Science and the Development of Reasoning." He created, co-authored and co-produced "Science Countdown," a television quiz series for high school seniors aired for four years over a regional public television outlet.

Reaching down into the Hazleton area elementary schools, he put together a program on "Color, Perception and Optical Illusions" for fifth-graders. Then he developed a second program, "The Physics Around Us," for sixth-graders.

Arts Roundup

Tickets on sale for Saturday dance program

The Bella Lewitzky Dance Company takes to the stage on Saturday, April 25, at 8:30 p.m. in Eisenhower Auditorium as a presentation of the Artists Series.

Founded in 1966 by Ms. Lewitzky, this California-based dance ensemble has toured extensively throughout the United States and abroad.

Clive Barnes of the New York *Post* has called Bella Lewitzky, "A remarkable dancer with a strong company... bursts and gusts of energy can be seen in all her choreography."

Ms. Lewitzky, artistic director and principal choreographer for the company, received her early training with Lester Horton; later as his colleague she co-founded the Dance Theatre in Los Angeles. She has received a John Simon Guggenheim Memorial Foundation Fellowship, the Annual Dance Magazine Award, and commissions from the National Endowment for the Arts. She has the distinction of being the only non-New York-based modern choreographer in the nation to receive a major grant for an artistic director's discretionary fund from the Andrew W. Mellon Foundation. Most recently, Ms. Lewitzky's Company was awarded a special project grant from CBS and a challenge grant from the National Endowment for the Arts.

The Friday performance is sold out by subscription. Tickets for the Saturday, April 25, program, featuring different numbers, are on sale at the Eisenhower Auditorium box office and the HUB booth from 9 a.m. to 4 p.m. Phone orders will be accepted on Master Card/Visa at 863-0255 days of sale.

Alard to perform Mozart, Brahms

The Alard String Quartet has selected four compositions for its Wednesday, April 29, concert at 8:30 p.m. in the Music Building Recital Hall.

The program will begin with Mozart's Quartet in F Major, K. 168. Soprano Suzanne Roy, an assistant professor of music, will assist the Alard in their second number, Chausson's "Chanson Perpetuelle." Also on the program are Nielsen's Quartet in G Minor, opus 13, and the Brahms Quintet in C Major, opus 111.

Other musicians joining the Alard Quartet for the concert will be violinist Rebecca McKee and pianist Timothy Shuey.

The Alard Quartet's April schedule has included performances in Erie, Lebanon and Bethlehem, Pa.; Wilmington, Ohio; Lexington, Ky.; and at Cornell University. Their recording of the Bartok Piano Quintet is due to be released this month by Leonarda Records.

Violinists Joanne Zagst Feldman and Donald Hopkins, violin Raymond Page and cellist Leonard Feldman comprise the Alard String Quartet. All are associate professors in the School of Music.

Choirs to present 'Israel in Egypt'

For its 34th annual spring concert, the University Choirs and the Nittany Valley Orchestra will present Handel's *Israel in Egypt* on Saturday, May 2, at 8:30 p.m. in Eisenhower Auditorium.

The Choirs are conducted by Raymond Brown, professor of music and Fellow of the Institute for the Arts and Humanities Studies.

Israel in Egypt is scored for double choirs, full orchestra and soloists. The text is taken from the book of Exodus and the Psalms. It depicts the Israelites' struggle to

be freed from their bondage in Egypt. Chorus tell of the plagues of frogs, lice, flies, locusts and hail stones and of the crossing of the Red Sea.

This is the second time the University Choirs have presented *Israel in Egypt* for their spring concert, the first being in 1968.

Soloists for the May 2 performance include three University students — Kim Kronenberg, soprano; Maureen Haley, soprano; and Lisa Stuckey, mezzo-soprano — and Tommie Irwin, tenor. Mr. Irwin is assistant director of choral music.

Weidner exhibit continues this week

An exhibition of paintings and drawings by Mary E. Weidner will continue through April 26 at the Kern Galleries.

Ms. Weidner, an assistant professor of drawing and painting at Carnegie-Mellon University, has a B.F.A. and M.F.A. from Washington University, St. Louis. She has received many honors and awards and has exhibited extensively in the East.

Jazz Blue Band concert tomorrow

Two original compositions by Jeff Kunkel, a junior music education major at the University, will be premiered in a concert by the Penn State Jazz Blue Band on Friday, April 24, at 8:30 p.m. in the Music Building Recital Hall.

Also included in the Jazz Blue Band's program will be music by Thad Jones, Maynard Ferguson, Henry Mancini, Les Elgart, Antonio Carlos Jobim, Phil Woods and Buddy Rich. The 19-piece band is directed by Larry Fisher.

Mercando wins AMOCO award

(Continued from page 1)

Science to the Non-Science Major," involves a total 24-hour immersion in science. He had tested it first with the Campus Ecology Club, which he organized and advises. Students participate in a variety of overnight camping field trips, preceded by lectures and laboratory classes to introduce them to the principles and techniques involved in conducting scientific investigations. They are encouraged to design and construct the sampling devices used on their trips.

Academic areas emphasized include ecology, geology, astronomy and meteorology. Students visit such diverse habitats as a salt marsh ecosystem, fossil beds, a deciduous forest and a pine barrens. They trade experiences at fireside get-togethers. To sensitize them to their own impact on the environment, Dr. Mercado takes them to family planning centers, nuclear power plants and waste treatment facilities.

Dr. Mercado has taught at Ogontz since 1976. He holds a B.S. from Bloomsburg State College, an M.S. from Penn State and a Ph.D. from North Carolina State University.

AAUW will hold book sale next week

The 20th annual AAUW Used Book Sale will be held April 27-May 1 at the Wesley Foundation, Locust Lane and East College Avenue, from 9 a.m. to 9 p.m. Thursday will be half-price day and Friday bag day — a bag of books for \$1.50.

Books, magazines, maps, LP records, sheet music and patterns will be available. Proceeds from the sale go to help local social agencies and national educational programs and fellowships.

Penn State Intercom



U.S. Circuit Judge is keynoter for Honors Convocation

Harry T. Edwards, Circuit Judge, U.S. Court of Appeals for the District of Columbia Circuit, will deliver the keynote address at the 1981 Honors Convocation, Sunday, May 10, at 2 p.m. in Eisenhower Auditorium.

During the Convocation, more than 300 undergraduate students and five faculty members representing all Penn State campuses will be cited for academic excellence.

All faculty are invited to participate in the Honors Convocation as members of the academic procession. Faculty in academic regalia should report to the Green Room of Eisenhower Auditorium by 1:30 p.m. Seating in the front rows of the auditorium will be reserved for those in the procession. After the recession, faculty are invited to visit with students in the college award distribution area and to attend the informal reception in front of the auditorium. Faculty and staff not wishing to be members of the procession are invited to attend the program in the audience.

Judge Edwards, whose wife Ila "Becky" (Hayes) is a 1962 Penn State graduate, has chosen the topic, "The Pursuit of Excellence."

Appointed to the D.C. Circuit in February 1980, Judge Edwards was a

(Continued on page 4)

Senate to vote on eight legislative items

Eight legislative reports will require Senate action at the May 5 meeting, scheduled to begin at 2:10 p.m. in Room 112 Kern Building.

In addition, a forensic session by Kenneth P. Mortimer, held over from the April meeting, will lead off the docket. Dr. Mortimer's topic is "Collective Bargaining: The National Scene."

President Oswald will comment on the new academic prospects opened up by conversion from a term to an early semester calendar. An informational report on fund raising will be presented by Charles Lupton, executive director of the Office of Gifts and Endowments; and the Curricular Affairs Committee has prepared an informational report on the use of University program titles and descriptions in external publications.

Nominations for Senate officers and University committees will also be presented. (See story at right.)

Legislative action items include:

- A report from the Subcommittee on the Role of the Adviser. This report is based on proposals which the Senate has already considered several times, beginning in 1978. It emphasizes the consultative nature of advising and specifies the functions of the adviser and the responsibilities of the advisee. The Subcommittee is recommending changes in a number of University forms and policy statements to remove the approval/disapproval function of the adviser and enhance the consultative role.

- An Academic and Physical Planning proposal on fiscal impact statements. The Committee suggests that when a Senate committee is considering new legislation, it should obtain estimates of what the legislation will cost. At present, the task of obtaining all such cost estimates falls on the Committee on Academic and Physical Planning.

- A change in the Standing Rules which returns to the Committee on Academic and Athletic Standards responsibility for certifying the academic eligibility of students for athletic grants-in-aid. In the 1975-76 Senate reorganization, this responsibility was given to the Committee on Student Affairs, Awards and Scholarships.

- A change in the membership of the Committee on Committees and Rules. The current roster includes 10 elected faculty

Senators and the previous year's Chairman, Chairman-Elect and Secretary. The current Senate Chairman is an ex officio member of all standing committees. Under the new proposal, the membership would include 10 elected faculty Senators voting, and the chairman-elect and the past-chairman of the Senate (non-voting).

- Procedures for adding and deleting courses in the BDR III breadth areas of health sciences/physical education and advanced learning skills. The latter include communication and quantification.
- Faculty Affairs proposals for

modifications to PS-23. The Committee has been studying a set of recommendations prepared by a joint Faculty/Administration Commission. The Committee accepts, with certain modifications, two of the joint Commission's recommendations dealing with (1) the responsibilities of review committees at various levels and (2) the general criteria for promotion and tenure. If the Committee's proposals are passed by the Senate, they will be recommended to the President.

- A report from the Committee on Libraries. The Committee is urging the Senate to approve a recommendation to the University administration asking that, whenever and wherever possible, appropriations for the Libraries be strengthened. The report notes that Penn State's library resources compare unfavorably with those of other major research universities.

A report from Senate Council offering procedures for establishing, reorganizing and discontinuing organizational units and areas that involve one or more of the functions of resident instruction, research or continuing education.

Nominations proposed

The Senate Nominating Committee will present its report at the May 5 meeting. Nominations will be accepted also from the floor for Senate officers and University committees.

The following nominations are proposed:

- Chairman of the Senate — Nancy M. Tischler, professor of English and humanities at Capitol Campus; M. Frank

(Continued on page 2)

Fulbright-Hays scholars to meet

President Oswald and Provost Eddy will lead a group of Penn Staters in hosting the Eastern Regional Conference for Fulbright-Hays Scholars to be held at the University May 3 to May 6.

President Oswald will deliver welcoming remarks at 9 a.m. on Monday, May 4, in Room 402 Keller Building. On Tuesday, May 5, also at 9 a.m., Provost Eddy will address the general session in Room 402 Keller Building. Dr. Eddy's topic will be "University Responsibilities in the '80s."

Additional Penn State speakers, all in Room 402 Keller, will be: Dr. William A. Vogeley, professor of mineral economics, on "Energy in the '80s," 10:45 a.m., May 4; Dr. Manfred Kroger, professor of food science, on "Food and Agriculture" and Dr. Peter D. Bennett, professor of marketing, on "Multinational Organizations," 2 p.m., May 4; Dr. John S. Nichols, assistant professor of journalism, on "The Role of the Press" and John Balaban, associate professor of

English, on "Translation and Intercultural Understanding," 3:30 p.m., May 5; and Dr. Robert S. Friedman, professor of political science (speaker) and Dr. Robert Hartkavy, associate professor of political science (reactor), on "An Overview of the First One Hundred Days of the Reagan Administration," 9 a.m., May 6.

The Conference's keynote address, "Global Interdependence: Changing Perspectives in International Policy in the '80s," will be delivered by Shahid Javed Burki of the World Bank at 9:15 a.m. on May 4. At 10:45 a.m. that day, Ralph Carnegie of the University of the West Indies will discuss "The Law of the Sea."

A number of faculty members and administrators will host tours for the Fulbright Scholars from 1 p.m. to 3 p.m. on May 5. Among areas to be visited are the Office for Remote Sensing of Earth Resources, the University Libraries, the Breazeale Nuclear Reactor and the Human Performance Research Laboratory.

The unruly creative process

Editor's note: This article is one in an ongoing series in which a faculty member describes work in progress.

by Paul West
Professor of English

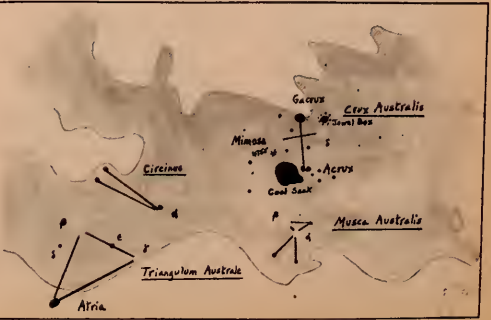
Once upon a time I thought I had my creative processes figured out, which is a dangerous thing for any writer to think. Every time I tried to write a short story, it turned into a novel, and every attempted novel became a story. So, for a while, I began second-guessing myself, corraling the margin of each story more characters than any story needed, and never bothering to equip the next novel with enough of them.

It didn't work. My unruly head doubled back on me. Some stories became stories only, and I had to trim them of characters, and some novels went on to become

novels, fattening out in spite of my most circumspect hunches. In the end, I began to fly by the seat of my pants, trusting to the notion that some concepts have long momentum while some don't.

A case in point is what happened last summer, when I got what I thought was a neat, compact idea about two Polish children saved from the Nazis by being buried under a pigsty. After a couple of weeks, the story took off and became a novella, and that I thought was that, but then it really took off and gave me three months' hard work, in the course of which one character bloomed out of all proportion and took what was now the novel with her. What I have on my hands now, waiting to be finished, is a six-hundred-page novel — about historical and ontological trauma — which I truly hope

(Continued on page 4)



Watercolor by Paul West, made while he was writing "Gala" (Harper & Row), is part of exhibit now in Rare Books Room in honor of his Governor's Award for Excellence in the Arts.

Penn Staters

Two University faculty members are among 40 outstanding young American professionals chosen for Class II of the W.K. Kellogg Foundation's National Fellowship Program. They are Dr. James Garbarino, associate professor of human development, and Dr. Dan E. Moore, associate professor of rural sociology and Extension specialist.

More than 300 applications were received for the three-year Fellowships, which are designed to increase individual leadership potential in order to deal more creatively and effectively with society's problems.

Dr. Garbarino, who joined the faculty last year, had been a Fellow with the Center for the Study of Youth Development, Boys Town, Neb. A Cornell Ph.D., he is the co-author of *Understanding Abusive Families* and has previously been a Herbert Lehman Fellow, a Woodrow Wilson Fellow and a Spencer Fellow.

Dr. Moore, who earned his doctorate at the University of Wisconsin-Madison, came to Penn State in 1977 from Cornell, where he was an associate professor. In 1979 he received the Award for Outstanding Research on the Consumer Problems of Families from the American Council on Consumer Interests.

Two drawings by Dr. Richard Hamwi, instructor in the School of Visual Arts, have been acquired by the Phillips Collection in Washington, D.C. Drawings and watercolors by Dr. Hamwi will be included in an exhibition at Albright College, May 17 through June 24. His work also will be included in an exhibition titled "The Art of Drawing," at the Staempfli Gallery in New York City during June.

Roy A. Olofson, professor of chemistry, presented talks in France in late March and in Puerto Rico the first week of April. Dr. Olofson was the main plenary lecturer at a conference held in Paris on the "Synthese et Applications des Chloroformates Vinyliques," an area in which he has pioneered, is a co-inventor on seven patents and in which two of his processes are now in commercial use in Europe. His lecture for the conference was entitled "Uses of Alkenyl Chloroformates in Synthesis: Taking Advantage of Structure-Reactivity Variations in Alkenyloxycarbonyl Derivatives." He discussed the same subject at colloquia held at the University of Puerto Rico at Rio Piedras and at Mayaguez.

Dr. Robert W. Naismith, associate professor of biology at Worthington-Scranton, has been appointed to the editorial board of the *Journal of Applied Toxicology*. He also has been elected to the board of directors of the Genetic Toxicology Association and has been invited to chair a session at the Gordon Conference on Genetic Toxicology.

Helmut Hager, professor and head of art history and a Fellow in the Institute for the Arts and Humanistic Studies, was an invited speaker at a colloquium on the 17th century Italian architect, sculptor and painter Bernini held April 11 and 12 at the Institute for Advanced Study in Princeton.

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N.J. The topic of Dr. Hager's talk was "Balthasar Neumann's Schonbrunn-Chapel at Würzburg and Its Berninesque Prototype in Rome."

Assistant Provost Richard P. Chait is one of five new members named to the Mayville College Board of Directors by the General Assembly Council of the Synod of the South of the United Presbyterian Church, U.S.A.

Eugene N. Borza, associate professor of history, recently returned from the University of Utah, where he was the invited guest of the Departments of History and Language. On April 13 and 14, Dr. Borza gave two public lectures, "Sentimental Philhellenism" and "The Royal Tombs at Vergina."

Dr. Howard B. Palmer, professor of energy science and associate dean of the Graduate School, gave an invited colloquium on the topic, "The Chemistry of Flames," to the department of chemistry at Colgate University. He also recently presented a three-day series of invited lectures on combustion chemistry at the Exxon Corporation Laboratories, Linden, N.J.

Emily Toth, assistant professor of English, was taped for an appearance on ABC-TV's "20/20," for a segment on women writers and success. The program was aired on April 23.

Gary W. Petersen, professor of soil genesis and morphology and co-director, Office for Remote Sensing of Earth Resources, gave a series of invited lectures on remote sensing and soil interpretations at the University of Arizona. The lecture series was organized by the Office of Air Land Studies and the Department of Soils, Water and Engineering.

Promotions

Staff Exempt

Roy F. Harpster to supervisor, Mail and Processing Room in Agriculture.
Clifford R. Heckman to production supervisor in Business Services.
Charles J. Sena to manager, Medicine Ancillary Services at Hershey.
Jerry G. Stover to farm supervisor in Agriculture.

Clerical

Patricia J. Mrozowski to clerk A at Behrend.
Sharon M. Thomas to secretary B at Hershey.

Technical Service

George W. Brown to mailing room attendant/relief operator in Agriculture.
Terry E. Houser to Ice Pavilion attendant in HPER.
Elmer C. McClucas to maintenance mechanic at Capitol.
Yahya Abdur Rahman to maintenance mechanic B at Ogontz.
Sylvia Wellar to property protection guard in University Safety.

Obituaries

Dr. Alfonso A. Brielmair, professor emeritus of civil engineering, died April 8 in Macomb, Ill., at the age of 76.

A civil engineering graduate of Case Institute of Technology, Dr. Brielmair received his M.S. and Ph.D. in civil engineering from the University of Illinois and was a registered professional engineer in Pennsylvania, Illinois, Missouri and Texas.

He joined the Penn State faculty as an associate professor in 1944. In 1945 he became a U.S. Army Air Force consultant in Europe. From 1949 to 1963, he was a professor at Washington University in St. Louis, returning to Penn State in 1963. He retired in July 1970.

Edith Bishop, a waitress at the Nittany Lion Inn from 1958 to 1970, died April 21. She was 75.



C. Drew Stahl



Frederick L. Wernstedt

Dr. C. Drew Stahl, professor of petroleum and natural gas engineering, and Dr. Frederick L. Wernstedt, professor of geology, have received the 1981 Matthew J. and Anne C. Wilson Outstanding Teaching Awards of the College of Earth and Mineral Sciences.
Dr. Stahl received his B.S. in 1947 and his Ph.D. in 1953, both in petroleum and natural gas engineering at Penn State. He joined the faculty in 1947 as a research assistant, and, by 1962, had attained the rank of professor. He became head of the then Department of Petroleum and Natural Gas Engineering in 1960 and continued as chairman when the department became a section in the Department of Mineral Engineering in 1970.

He had developed a number of the current PNGE courses and has seen enrollment in many of them jump from an average of 10 to 12 students to classes of more than 100. In addition to extensive teaching at the undergraduate level, he has supervised the preparation of many M.S. and Ph.D. theses. For the past five years, he has been co-investigator on a million-dollar Department of Energy-sponsored project aimed at finding improved three-stage methods of recovering high-quality Pennsylvania grade crude oil from old wells that may still contain as much as half of the oil originally there.

Dr. Wernstedt received his B.S. and Ph.D. from the University of California and his M.A. at Syracuse University. He joined the Penn State faculty in 1952 and attained the rank of professor in 1967. He served as a visiting professor at the University of Malaysia in 1968 and the University of Science in Malaysia in 1977.

His main teaching interests are in southeast Asia geography, climatology, field methodology, and educational geography for primary and secondary teachers. He also teaches seminars at the graduate level. His research interests include population and economic development problems of southeast Asia, statistical climatology, climate and agriculture, and demography and migration.

He has done much work in the Philippines, serving as principal investigator for a Philippine shipping project sponsored by the Office of Naval Research in 1954-57, and for a Philippine migration project sponsored by the National Science Foundation in 1964-68. He is the author or co-author of many articles, books, and monographs including *World Climate Data*, *The Philippine Island World: A Physical, Cultural, and Regional Geography*, and *The Philippine Migration: The Settlement of the Digos-Padada Valley*.

Dancers to present Mother's Day show

Penn State Internationale Dancers, under the direction of Elizabeth A. Harley, instructor in physical education, will present its 13th annual Mother's Day performance on Sunday, May 10, at 3 p.m. in Room 332 White Building.

The students who comprise the dance group will offer a selection of dances from around the world, including a Bulgarian wedding scene and German, Russian and Serbian dance suites. Costumes typical of the clothing of the various countries from which the dances are taken will be worn, and a piano-violin-flute trio will play for the group's suite of Russian dances.

Tickets, which are \$2 for adults and \$1.50 for students and children, are available now in the White Building main office and will be sold at the door on the day of the performance.

Nominations

(Continued from page 1)

Mallette, professor of biochemistry.
Chairman-elect—Robert F. Schmalz, professor of geology; Joseph A. Dixon, professor and head of chemistry.

Secretary—Carol A. Cartwright, professor of education; Annette L. Caruso, assistant professor of health education at Ogontz.

Faculty Advisory Committee (2 to be elected)—Herbert Cole Jr., professor of plant pathology; Irwin Feller, professor of economics; Edward H. Klewans, associate dean for research, Engineering; Patricia M. Overdeer, professor of mathematics at Ogontz; Herbert M. Lundgren, professor of physical education.

Faculty Rights and Responsibilities (2 to be elected)—Geoffrey C. Godbey, professor of recreation and parks; Miles T. Pigott, professor of engineering research; Kathryn B. Moore, associate professor of education; Hugh B. Urban, professor of human development and psychology. Faculty other than University Park (3 to be elected)—Cara-Lynne Schengrund, associate professor of biochemistry at Hershey; P. Peter Rebane, assistant professor of history at Ogontz; T.D. Wilkinson, associate professor of engineering at Mont Alto; Michael A. Kernick, assistant professor of business administration at Delaware County; Mervin J. Hostelter, associate professor of engineering at Altoona; Stephen P. Lagoy, associate professor of community development at Delaware County; and Bernard L. Guss, associate professor of general engineering at New Kensington. Deans (3 to be elected)—Stuart Forth, Libraries; Evan G. Pattishall, Human Development; Stanley F. Paulson, Liberal Arts; Thomas Wartik, Science; Harry Prystowsky, Hershey; and John M. Lilley, Behrend.

University Promotion and Tenure Review Committee (3 to be elected)—Paul R. Shellenberger, professor of dairy science; Thomas E. Mauner, professor of art history; George L. Daubert, professor of chemical engineering; Howard E. Morgan, Evan Pugh professor of physiology at Hershey; George H. Grenier, division head and professor of engineering at Capitol; Charles G. Haas Jr., professor of chemistry; Michael P. Hottenstein, director of the MBA program; and Helen A. Guthrie, professor of nutrition.

Standing Joint Committee on Tenure (2 to be elected)—Robert Jennings Heinsch, professor of mechanical engineering; Manfred Kroger, professor of food science; Landon Burns, professor of English at Delaware County; and Joseph W. Michels, professor of anthropology.

Science Expo to offer demonstrations, tours

The 1981 version of Science Expo will be held Saturday, May 9. Sponsored by the College of Science's Student Council and Alumni Society, the open house will run from 10 a.m. to 5 p.m. in the science buildings at University Park.

Among the attractions this year will be beating rat heart cells, x-ray astronomy, telescope-making demonstrations and a salt-water aquarium. Chemistry and physics "magic" shows, popular at past expositions, will again be featured.

Visitors will also have the chance to play games with a computer, glimpse a single atom through the world-famous field emission microscope and take part in an astronomy skywatch in the evening, weather permitting. "Supertours" of the departments' most spectacular exhibits will be scheduled hourly throughout the day.

Each of the College's departments—Astronomy, Biology, Chemistry, Physics, Computer Science, Mathematics, Statistics and Microbiology and Cell Biology—Biochemistry and Biophysics—will participate, along with departmental clubs. Faculty members and students will be on hand to staff the presentations and answer questions. The main Expo information desk will be in Osmond's lobby.

University Park Calendar

April 30-May 10

Special Events

Thursday, April 30

Commons Concert, Phi Mu Alpha Band, noon, Kern Lobby.

College of Engineering, Honorary Engineering Lecture, 4 p.m., Room 115EE West. Robert A. Frosch, president, American Assn. of Engineering Societies, on "Engineering and Public Policy."

Cinemaheque, *Who'll Stop the Rain?* 7 and 9 p.m., HUB Assembly Hall. Also May 1. Philosophy, Dotterer Lecture, 8 p.m., Room 101 Kern. Richard M. Zaner, SMU, on "The Dider Descartes and Medicine."

URTC, Paul Giovanni, *The Crucifer of Blood*, 8 p.m., The Playhouse.

Friday, May 1

Football Reunion, through May 2.

Music in Interesting Times lecture, 2:20 p.m., Music Bldg. Recital Hall. Becky McKee, State College Talent Education Program, on "Music and Children: Suzuki."

Sports: baseball vs. Lafayette, 3 p.m.

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Allan Rodgers, geography, on "Prospects for Economic Development in the Soviet Far East."

Commonsplace Theatre, *Taxi Driver*, 7 and 9 p.m., Room 112 Kern. Also May 3.

URTC, *The Crucifer of Blood*, 8 p.m., The Playhouse.

Penn State Symphony Wind Ensemble, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, May 2

56th Annual Penn State Dairy Exposition, "Show Day," 8:30 a.m.-3 p.m., University Dairy Barns.

Sports: basketball vs. Michigan, 10 a.m.; track (men), Nittany Lion Relays, 10 a.m.; baseball vs. West Virginia (DH), 1 p.m.; Blue/White football game, 2 p.m.

ARHS, "Movin' On," music, noon, through May 3, HUB Lawn.

France-Cinema, *My Brilliant Career*, 7 and 9 p.m., Room 112 Kern. Also May 7.

URTC, *The Crucifer of Blood*, 8 p.m., The Playhouse.

University Choirs, 34th Annual Spring Concert, Handel, *Israel in Egypt*, 8:30 p.m., Eisenhower Auditorium.

Sunday, May 3

University Chapel Service, 11 a.m., Eisenhower Chapel. Thomas C. Poole, Office of Religious Affairs, speaker.

Sports: baseball vs. Pittsburgh (DH), 1 p.m.

Jeff Smith, piano, 3 p.m., Music Bldg. Recital Hall.

Phi Kappa Phi Initiation and banquet, 6 p.m., HUB Terrace Room.

Monday, May 4

First day to sign Summer Term NDSL and University Long Term Loans, Room 108 Shields.

Commons Film, "Limits to Growth," noon, Room 112 Kern.

Music in Interesting Times lecture, 2:20 p.m., Music Bldg. Recital Hall. Suzanne Roy on "New Folk Music."

Interdisciplinary Symposium on Value, 7:30 p.m., Room 101 Kern. Larry Spence, political science, on "The Morality of Science and Technology."

Tuesday, May 5

Comp. Lit. Luncheon, 12:15 p.m., Room 204 HUB. Josephine Thornton, Mellon Bank and pres., American Translators Assn., on "Problems of Literate vs. Non-Literate Translation."

University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

Comp. Lit. Film Series, *Fats in the Pocket*, 7 and 9 p.m., Room 112 Kern. Also May 6.

URTC, *The Crucifer of Blood*, 8 p.m., The Playhouse.

Wednesday, May 6

Drop deadline.

Commons Concert, PSU Glee Club and Women's Ensemble, noon, Kern Lobby.

Sports: baseball vs. Cornell (DH), 1:30 p.m.; lacrosse (men) vs. Bucknell, 8 p.m.

Music in Interesting Times lecture, 2:20 p.m., Music Bldg. Recital Hall. Betsy Bowden, English, on "Words and Music by Bob Dylan."

Brotherhood Day, 7 p.m., Eisenhower Auditorium. Julian Bond, Georgia legislator, speaker. Athletic Director Paterno and Provost Eddy will also take part in the program.



Sherlock Holmes and Irene St. Clair are portrayed by MFA graduate students Charles S. Roney and Susan Chalmers in URTC's "The Crucifer of Blood," which opens tonight in The Playhouse.

English Colloquium, 8 p.m., Room 101 Kern. John K. Crane, English, reads from his novel in progress.

URTC, *The Crucifer of Blood*, 8 p.m., The Playhouse.

Penn State Chamber Choir, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, May 7

Spring festival, "Horizons," exhibits, film, music, through May 10, Kern Bldg., HUB.

MCAB/Hillel Foundation, Tay-Sachs testing, 2-6 p.m., HUB Ballroom.

Panel discussion on Managing the Public Record, 3 p.m., Assembly Room, Nittany Lion Inn. U.S. Archivist Robert M. Warner; Robert J. Maddox, history; Nancy Cline, Libraries.

Cinemaheque, *The Wild Bunch*, 7 and 9:30 p.m., Room 108 Forum. Also May 8.

E & MS Student Council Lecture, 7:30 p.m., Room 22 Deike. Alistair Fraser, meteorology, on "The Rainbow Connection."

Penn State Thespians, Mame, 8 p.m., Schwab Auditorium.

URTC, *The Crucifer of Blood*, 8 p.m., The Playhouse.

Friday, May 8

Last day to sign Spring Term NDSL and University Long Term Loans, Room 108 Shields.

Sports: track (women), EAIAW Championships, through May 9.

Music in Interesting Times lecture, 2:20 p.m., Music Bldg. Recital Hall. Rustical Quality String Band, "Folk Tradition Lives."

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Roy Buck, sociology, on "Tourism and the Plain People of Lancaster County."

Commonsplace Theatre, *Malicious*, 7 and 9 p.m., Room 112 Kern. Also May 10.

Penn State Thespians, Mame, 8 p.m., Schwab Auditorium.

URTC, *The Crucifer of Blood*, 8 p.m., The Playhouse.

Saturday, May 9

Shaver's Creek Nature Center, pioneers crafts for children 7-14 (toy making). Registration weekdays, 8 a.m.-5 p.m., 865-1851.

College of Science, Science Expo '81, open house, 10 a.m.-5 p.m.

Penn State Thespians, Mame, 2 and 8 p.m., Schwab Auditorium.

France-Cinema, Renoir, *Grand Illusion*, 7 and 9 p.m., Room 112 Kern.

Sports: lacrosse (men) vs. Army, 8 p.m.

URTC, *The Crucifer of Blood*, 8 p.m., The Playhouse.

Penn State Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sunday, May 10

University Chapel Service, 11 a.m., Eisenhower Chapel. Stanley Paulson, dean, College of the Liberal Arts, speaker.

Honors Convocation, 2 p.m., Eisenhower Auditorium.

Penn State Glee Club Concert, 3 p.m., Schwab Auditorium.

Penn State Internationale Dancers, Annual Mother's Day Performance, 3 p.m., Room 132 White Bldg.

Lawrence Rich, guitar recital, 7:30 p.m., Music Bldg. Recital Hall.

Seminars

Thursday, April 30

CFD/Mechanical Engineering, Esail Murman, MIT, on "Computation of Wind Tunnel Wall Interference at Transonic Speeds," 11 a.m., Room 103 Mechanical Engineering Bldg.

Statistics, Philip Byrne, grad. student, on "Repeated Measures Models for Time Series Data," 4 p.m., Room 62 Willard (new listing).

Friday, May 1

Analytical Chemistry, Fred Lytle, Purdue Univ., on "The Use of Lasers in Applied Spectroscopy," 11:10 a.m., Room 333 Whitmore.

Physical Chemistry, Kenneth Johnson, MCAB, on "Intermediate States in the Pathway of ATP Hydrolysis by Actomyosin," 2:30 p.m., Room 333 Whitmore.

Engineering Science and Mechanics, Kenneth Jones, Colorado State Univ., on "Morphological Defects in (0001) CdS and Their Effect on CuS/CdS Solar Cells," 4 p.m., Room 216 Hammond.

Monday, May 4

MCAB, Johng K. Lim, Univ. of Wisconsin/Eau Claire, on "Genetics of a Site-Specific Instability in *Drosophila*," 4 p.m., Room 101 Althouse.

Organic Chemistry, Cynthia Maryanoff, McNeil Pharmaceutical, on "Development of Synthetic Methods in Heterocyclic Chemistry," 8 p.m., Room 333 Whitmore.

Tuesday, May 5

Metallurgy, U. Pal, grad. asst., on "Foaming Characteristics of Pb50/Sn," 11 a.m., Room 301 Steidle.

Environmental Pollution Control, Ralph Daley, grad. student, on "Trace Organic Emissions from Resource Energy Recovery Facilities," 2:20 p.m., Room 128 Sackett.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Community Systems Planning and Development, Malcolm Follower-Freeman, Guy's Hospital, London, on "The English Teaching Hospital in the Changing National Health Service Environment," 3:30 p.m., Room 5-136 Henderson.

Chemical Engineering, Vinayak N. Kabadi, grad. student, on "Statistical Thermodynamics of Fluids with Non-Spherical Molecules," 3:45 p.m., Room 140 Fenske.

Geosciences, Robert E. Sheridan, Univ. of Delaware, on "Application of Marine Geology and Geophysics to the Discovery and Environmental Studies of the U.S.S. Monitor Site," 3:45 p.m., Room 112 Walker.

Acoustics, Kenji Kido, Tohoku Univ., Sendai, Japan, on "The DFT of Band Limited Signals and Its Application to Acoustic Measurements," 4 p.m., Room 73 Willard.

Engineering Science and Mechanics, Leonard J. Brillson, Xerox Research Labs, on "Chemical Reaction and Diffusion at Metal-Semiconductor Interfaces," 4 p.m., Room 214 Hammond.

Microcomputer User's Group, 7:30 p.m., Room 189 MRL.

Organic Chemistry, Rodney Schnur, Central Research, Pfizer, on "Drug Discovery: Aldose Reductase Inhibitors," 8 p.m., Room 333 Whitmore.

Thursday, May 7

Chemistry, Victor Hubry, Univ. of Arizona, on "Conformations and Dynamics of Peptide Hormone Agonists and Antagonists: Implications for the Mechanism of Hormone Action," 12:45 p.m., Room 333 Whitmore.

UDIS, Maurice W. Villano and Barbara Wright, UDIS, on "Test Construction - Part I," 2 p.m., Room 128 Mitchell Bldg. Reservations, 863-0668.

History, Robert Weiner, Lafayette College, on "Paul Conban and the Dreyfus Affair: A Case Study," 3 p.m., Room 124 Sparks.

Agronomy, Lynn Soltenberger, grad. student, on "The Effect of Legume and Legume Seeding Rate in Yield, N Harvested, and Botanical Composition of Legume-Grass Mixtures," 3:55 p.m., Room 111 Tyson.

Physics, C. Kitcher, IBM, on "Josephson Junction Devices," 3:55 p.m., Room 445 Davey.

Fuel Science, Zifanli Mudamburi, grad. student, on "Compositional Dependence of Coal Liquids on the Nature of the Feed Coals," 4 p.m., Room 301 Steidle.

Mathematics, Morton Lowengrub, Indiana Univ., on "Mixed-Order Value Problems in Elasticity," 4 p.m., Room 102 McAllister.

Friday, May 8

Surface Science, Khalil Taub, Univ. of Missouri, on "Neutrons Scattering Studies of Physisorbed Molecular Films," 9:30 a.m., Room 339 Davey.

Analytical Chemistry, George Diefenau, grad. student, on "Liquid Chromatograph-Mass Spec Interfaces," 11:10 a.m., Room 333 Whitmore.

UDIS, "Test Construction - Part I," (repeat), 2 p.m., Room 128 Mitchell Bldg. Reservations, 863-0668.

Physical Chemistry, Gregory Alms, Polymer Product Dept., DuPont, on "Quasi-Elastic Light Scattering from Polymers," 2:30 p.m., Room 333 Whitmore.

Exhibits

Chambers Gallery: Alice Waagen, weavings and three-dimensional sculptures, opens May 4.

HUB Gallery: Yachad Exhibit, opens May 1, Art Alley.

Kern Gallery: Robert Graves, prints. Martha Holt, clay photographs, and Bill Rienser, leather, open May 1.

Museum of Art: Selected works from the collections of Mimi and Stanford Feld and Samuel Gallu. Selections from the Museum's American collection. Watercolors from the permanent collection.

Pattee Library: Prints by Mary K. Jex and Diane Ranker, through May 4, East Corridor Gallery. Frank Chetelat, "A Photographic Inquiry Into European Architectural Motifs," Lending Services Lobby, Ukrainian Folk Art, through May 11, Main Lobby.

Paul West: Governor's Award Exhibit, through May 6, Rare Books Room. Frank Schreider, paintings, through May 1, West Pattee Lobby.

Visual Arts Zoller Gallery: MFA Exhibitions, through May 5, Undergraduate Exhibition, opens May 8.

Paul West

(Continued from page 1)

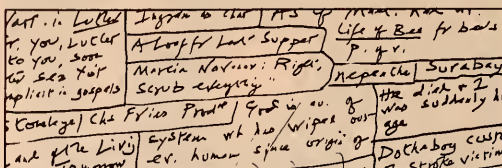
I won't, in the end, have to trim back to short-story length.

Things arrive, and you do your best to be hospitable to them, as I tried to be last fall to an idea that came up in conversation with my editor. Over a chunk of cold paté, I told her I'd finally learned to swim, after twenty years of trying, and she exclaimed that so had she! Had I thought of writing about it? No, I told her, but within a week the idea had taken root (fertilized no doubt by chlorine and salt), and I went off to Europe for a month with two bluebooks in which to make a start. In fact, that book tumbled out of my head on to the paper, not quite automatic but certainly almost out of control as if it had been waiting in there, coiled up: a bolus of joy, hedonism, and almost-mastered fear. I'm now combing through the third version of it, after having plumbed the whole experience by means of model pools made with glue and cardboard, pool collages dabbed with water colors and anything at hand (the red one is cough medicine, for instance). Once enough of it had been teased into the open, my whole view of water came into my conscious possession, to be written about and in some ways enjoyed. In much the same fashion, fifteen years ago, I'd written another book of autobiography, *I, said the Sparrow*, racing it with ballpoint

on to several writing pads in the course of a week — getting it down before it vanished beyond all power of mnemonic to retrieve, or will, or dream.

I make notes all the time, tiny scribbles on big sheets of paper that I eventually stick together to make a mural of trouvailles I pore over, waiting for something to click: several scribbles to combine. Then I ring what seem related ideas in colored pencil, usually running out of colors and sometimes forgetting what category a color represents, but in the end sending the mental backwash of half a year until something useful shows up. What's trivial, tiny, goes down next to what might be major and massive. I never know. Other ways won't seem to work: every year I buy little notebooks to carry in my pocket, so as never to lose an idea, but after a few pages I forget to use them, and back I go to the big, untidy sails of scribbles, vowing to be more systematic one of these years.

Visuals help. When I was researching



Fragment of Paul West's "mental backwash."

and writing my novel about Stauffenberg, I made at least a dozen water-colors of the man, to fix and focus him with his eyepatch, his lost hand, his big bulging yellow briefcase; I lived with his effigy for three years, starting at it until it seemed to move, and I saw him walking, heard his voice. Some of these have survived and will be in an exhibit of my recent manuscripts which Patten's Rare Books Room will put on in May. By-products, they sometimes appeal to me more than their book, which is miles and miles of uniform-looking print, whereas the effigies (or the model pools) have color, texture, another dimension, while print seems to homogenize.

But back to print I go, with two books to finish, the long-procrastinated collection of my short stories to be made final (for every new one I write, I throw one out), and what feels like a new book nibbling at me, this time about a lighthouse keeper, someone in our own galaxy at any rate, who decides to empty out his mind but can't ever catch

himself without an idea. Also, this coming summer, I am to be *Paris Reviewed*: an accolade, of course, but that very process will get me thinking about the creative process all over again, which gets me thinking: If I could explain it, it wouldn't work for me any more. It works for me because I never really know what's going on inside my head, except something tidal, imperious, trying to make itself beautiful.

About this time of year, early spring, the itch to get back to writing becomes almost unendurable; but, first, I have to rid myself of others' rhythms: those of my students, those of the authors we've been studying. I don't usually have so many projects on hand, either, and I'll have to choose which one — the novel about the two children, the book about late-learning to swim, the enigmatically-beckoning lighthouse which is the seed of a book-to-come — I'll tend to first.

It would help if those children, escaping from Hitler, were to learn to swim near a famous lighthouse, but each book must go its own way until it's hard and fast. Each has its own rhythm anyway, indistinguishable to anyone but me, I suppose. All I know is that the superfluous shading of each's cadences keeps the books separate even when I'm dreaming, and I don't think I've ever solved one book's problem with a solution that belonged to another book. To me, writing is problem-solving, with about three problems to each line of type, and my books, although seemingly as alike as different crossword puzzles, don't overlap. They're stepping stones to where I've never been.

Honors

(Continued from page 1)

professor of law at the University of Michigan Law School from 1970 to 1975 and from 1977 to 1980. He has been a member of the faculty at the Institute for Educational Management at Harvard University since 1976, teaching a course in Law and Higher Education. He further served as a professor of law at Harvard Law School from 1975 to 1977 and currently is a lecturer in law at Harvard.

Judge Edwards was appointed by Presidents Ford and Carter to serve on the International Women's Year Commission, chairing the Rules and Credentials Committees. In 1977, he was appointed by President Carter to serve on the board of directors of Amtrak, and in 1979 he was elected chairman of Amtrak's board, a position he held until resigning to take his position on the bench.

A 1962 graduate of Cornell University, Judge Edwards received his law degree with high distinction from the University of Michigan Law School in 1966. In 1978, Cornell awarded him the Judge William B. Groat Alumni Award given by the School of Industrial and Labor Relations.

Judge Edwards presently serves as a member of the National Advisory Council for the Institute for Educational Policy Studies at Harvard.

At the Convocation, 241 freshmen will receive the President's Freshman Award; 20 sophomores, the President Sparks Award; 26 juniors and 28 seniors, Evan Pugh Scholar Awards; and one senior, the John W. White Fellowship.

Four faculty members will be presented AMOCO Foundation Outstanding Teaching Awards. They are Dr. Arthur Goldschmidt Jr., associate professor of history; Dr. Charles G. Haas Jr., professor of chemistry; Dr. Ned Mercando, assistant professor of biology at Ogontz; and M. Leonard Shavel, associate professor of physics at Hazelton.

In addition, the Raymond R. DiMeo Award for Instructional Improvement will be presented to Dr. Warren T. Morrill, professor of anthropology.

President Oswald will offer welcoming comments and address visiting parents. Provost Eddy will introduce the platform party of deans and Campus directors. Dr. Eugene R. Melander, assistant vice president for undergraduate studies, will recognize honored students and present the DiMeo Award. Provost Eddy will present the AMOCO Awards, and Dr. Oswald the White Fellowship.

Faculty/Staff Alerts

Memorial Day holiday

The University will observe Memorial Day on Monday, May 25, 1981.

Brotherhood Day set

Julian Bond, nationally known black legislator from Atlanta and head of the national Klan Watch, will be the featured speaker for Penn State's first Brotherhood Day on Wednesday, May 6, at 7 p.m. in the Eisenhower Auditorium.

Athletic Director Joe Paterno and Provost Edward D. Eddy will also take part in the program, which is aimed at promoting greater inter-group harmony.

"The purpose of the program is to enhance awareness of the negative effects of racism and separatism, and the positive effects of unity," says Darnell Daisey, publicity chairman for the event.

The child murderers of Atlanta, and recent racist incidents against black and Jewish residents in State College, Mr. Daisey says, have had the positive effect of bringing several disparate groups in the community together.

"These acts of brotherhood and unity are great achievements, but must they always come as a result of tragedy?" he asks. "With Brotherhood Day, we hope to bring people of differing backgrounds together without a tragedy."

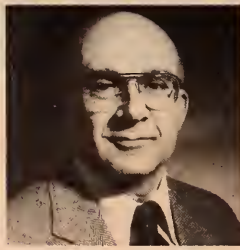
Choir debuts May 6

The first spring concert of the new University Chamber Choir will be presented Wednesday, May 6, at 8:30 p.m. in the Music Building Recital Hall.

Included in the Chamber Choir's program will be works by the Renaissance composers Josquin, Byrd and Tomkins; Hindemith's "Six Chansons"; Samuel Barber's "Three Reincarnations"; and Benjamin Britten's "Rejoice in the Lamb," all 20th century works, plus several other pieces from various periods.

Organist June Miller, an associate professor of music, will accompany the singers on several of the selections.

Formed in 1980, the Chamber Choir consists of 22 singers who perform primarily a cappella choral works from the Renaissance to the present. It is directed by Dr. Douglas Miller, associate professor of music.



Robert M. Warner

Archivist to visit

Dr. Robert M. Warner, archivist of the United States, will participate in a panel discussion on the problems of managing and preserving public records and documents.

The panel, which is open to the public, will be held Thursday, May 7, at 3 p.m. in the Assembly Room of the Nittany Lion Inn.

Joining Dr. Warner on the panel will be Dr. Robert J. Maddox, professor of American history at the University, and Nancy Cline, director of the bibliographic resources division of Pattee Library. College of the Liberal Arts Dean Stanley F. Paulson will preside at the program, which is sponsored by the Department of History.

Dr. Warner, who was appointed archivist in May 1980, had spent his professional career at the University of Michigan, where he was a professor of library science and director of the University's Historical Collection. He earned his M.A. and Ph.D. degrees at Michigan.

Named a Fellow of the Society of American Archivists in 1968, Dr. Warner served as president of the Society in 1976-77.

Dr. Maddox, the author of a number of articles and books, will comment on the problems of the burgeoning public record from the viewpoint of the historian. Ms. Cline will discuss the problems created for librarians. She is a former chairperson of the Government Documents Round Table of the American Library Association, and a member of the Advisory Council to the Public Printer and chairperson of the Council's Micrographic Committee.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff non-exempt have been listed with the University Employment Office for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Office, 865-1387 (network line 473-1387). Applications for these staff vacancies will be accepted until 5 p.m., May 7, 1981. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (FE-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, sex, or marital status (as provided by law), sex, or status as disabled or Vietnam era veteran.

COORDINATOR, EQUAL EMPLOYMENT OPPORTUNITY PROGRAM, COLLEGE OF AGRICULTURE, UNIVERSITY PARK. Responsible to the Manager of Personnel, College of Agriculture, for performing a wide range of duties related to personnel programs. Develop and direct equal opportunity, affirmative action and programs for the Cooperative Extension Service to comply with federal and state laws and regulations. Responsible for overall employment efforts in recruitment of county agents, extension economists, nutrition aides and staff support positions. Maintain a viable relationship with minority institutions. Land grant institutions, Urban League, NAACP and other minority groups to facilitate recruitment programs. Develop and conduct public relations programs to provide information to minorities concerning employment opportunities. Assist in liaison with federal and state agencies responsible for administering Title VII of the Civil Rights Act and appropriate Executive Order to direct commitment to Equal Employment Opportunity. Provide direction and training in the conduct of effective affirmative action programs and reviews. Bachelor's degree (or equivalent social science or related field) plus a minimum of two years of effective experience in equal employment opportunity and affirmative action programs.

ADMINISTRATIVE AIDE, APPLIED RESEARCH LABORATORY, UNIVERSITY PARK. Responsible to the Chairman of the Applied Research Laboratory administrative duties related to the program, including assisting students, organizing and setting up course offerings, etc., and for the coordination and liaison responsibilities involved with professional society meetings and standing committees. Bachelor's degree or equivalent, with one to two years of effective experience in administration, are required.

ASSISTANT INFORMATION PLANNING SPECIALIST, OFFICE OF PLANNING AND BUDGET, UNIVERSITY PARK. Responsible to the Associate Director and the Information Planning Specialist for the conduct of special data analyses and surveys to meet the needs of University planning, budgeting and external reporting responsibilities. Identify and collect data on faculty, student, and academic programs. Bachelor's degree (or equivalent) preferably in the social or physical sciences where quantitative analytical skills are developed, is necessary, plus two to three years of effective experience. A working knowledge of computer and data processing applications preferred. Knowledge of elementary statistics, effective writing skills, and knowledge of questionnaire development desirable.

Penn State Intercom

French Department - to offer intensive summer program

A new Intensive French Summer Program, designed to help students achieve proficiency in the language, will be inaugurated by the Department of French in June.

Designed primarily for graduate students in Business Administration, the program will be open also to graduate students enrolled in other professional programs at University Park and to faculty members if space is available.

Although intensive foreign language programs are not uncommon in American education, the two units which the French Department will offer are unique, according to Dr. Patricia A. Ward, acting head of the Department. The units utilize Foreign Service Institute methods.

Non-language majors will achieve the proficiency to speak French with sufficient accuracy and vocabulary to participate in most formal and informal conversations on practical, social and professional topics.

The Summer Program will be divided into two units. Unit I (six weeks, June 8 - July 17) will take students with little or no previous preparation in French through the equivalent of French I, 2 and 3 (9 credits).

Unit II (six weeks, July 20 - Aug. 28) will provide an intensive sequence of grammar, conversation and reading, with emphasis on the language of international business communication, including agribusiness and foreign affairs. Classes will meet daily, Monday through Friday, periods 1, 2, 3 (8 a.m. to 12:25 p.m.), with an optional lunch meeting from 12:45 to 1:45 p.m.

The program has been funded by the Department of French, the Colleges of the Liberal Arts and Business Administration, and by a grant by Provost Eddy from the Fund for Academic Excellence.

Graduate students or faculty members interested in registering for the program should contact: Prof. Jeannette Bragger, Director, Intensive French Summer Program, Room S-405 Burrows Building, 865-7101 or The Department of French, Room 316 Burrows Building, 865-1492.



President Oswald with Dr. Marlow and Trustee Marian U. Coppersmith, a donor of the Barash Award. Center, Dean Hosler. Right, Professor Mann. Awards will be presented at a special May 24 reception.



Three named to receive University awards

"I get much more out of my volunteer activities than I put into them," says Dr. H. LeRoy Marlow, the 1981 recipient of the Barash Award for Human Service.

The family of the late Sy Barash, a Penn State graduate and State College businessman until his death in 1975, created this \$1,000 award. It recognizes annually the full-time member of the faculty, staff or student body "who has contributed most, apart from regular duties, to human causes, public service activities and organizations or the welfare of other humans."

Dr. Marlow serves as assistant director of Continuing Education, as a professor of management development, head of Management Development Services and director of the Pennsylvania Technical Assistance Program (PENNTAP).

Despite this full workload, he manages a wide variety of church and community activities, including work with the Centre County Cancer Crusade, Lewisburg United Methodist Home, the Albright

Dr. Charles L. Hosler, a dean who views his role as that of "an enabler," is the recipient of the 1981 John E. Wilkinson Award for Administrative Excellence.

Established in 1970 by the friends of John E. Wilkinson, lifelong Centre County businessman, the award is given annually to a Penn State administrator whose performance methods and achievement exemplify administrative excellence. It carries a \$500 stipend.

Dean of the College of Earth and Mineral Sciences since 1965 and a professor of meteorology, Dr. Hosler believes that the faculty are the key to excellence in a college.

"The dean is just another member of the faculty with a little more administrative responsibility," he says. "Any time I'm here, faculty members can walk into my office; in the past 16 years, I've never turned anyone away."

"My job is to facilitate, not to constrain people with rules," he continues. "I try to

(All three of these awards stories continue on page 6)

Special collections librarian Charles W. Mann always makes a point of scanning listings of new appointments to Penn State's faculty.

"I like to see if they'll be able to make use of any of our materials," he explains. It is this kind of concern that has won Professor Mann the 1981 McKay Donkin Award, presented annually to the full-time member of the faculty or staff or to the retiree who has contributed most to the "economic, physical, mental or social welfare of the faculty."

The \$500 award is named for the late McKay Donkin, who served as vice president for finance and treasurer of the University from 1957 to 1968.

Professor Mann, who holds dual faculty appointments in the University Libraries and the English Department, has been keeping track "of where the threads go" ever since his appointment in 1954. "I try to be a catalyst," he says, "to provide a central place to bring together faculty members who may not be aware of others



Styles in automobiles may have changed, but this 1931 photo shows a still familiar building facade under construction. The Nittany Lion Inn celebrates its 50th birthday this month.

News in Brief

Penn State Scholars to visit in summer

Nearly 800 outstanding high school students have been nominated to visit the University Park Campus this summer as part of the Penn State Scholars Program.

One group will visit on June 29 and 30, and a second group on July 1 and 2.

The Scholars Program was initiated in 1975 to recognize and encourage excellent academic scholarship. It provides an opportunity for top students in and near Pennsylvania to meet with Penn State faculty members and students and to become acquainted with the campus and the academic programs offered.

Accompanied by their parents, students also learn about financial aid and career resources and opportunities, and get a taste of student life.

The students are nominated for this

program by their high school principals and guidance counselors in recognition of their achievements as the top academic students in the junior class of their respective schools.

During their visit, they are given the opportunity to compete for more than 30 Penn State four-year scholarships. Last year, about 100 students were offered full or partial tuition scholarships. Each year, approximately one-third of the 800 participants enroll at Penn State.

NEH grant to Press

Penn State Press has been awarded a grant by the National Endowment for the Humanities to aid publication of *Dance to the Fiddle - March to the Fife: Instrumental Folk Tunes in Pennsylvania*, collected by Samuel P. Bayard and associates.

These annotated transcriptions of 651 fiddle and fife tunes, collected in

(Continued on page 4)

Penn Staters

Dr. **Peirce Lewis**, professor of geography, has been elected a National Councilor for the Association of American Geographers by the membership at large. Dr. Lewis has also presented a number of seminars during the past several months. They include: Department of the History of Art, Yale University, on the use of topographic maps as evidence of changing vernacular cultures; Department of Geography, Florida State University, on the evolution of 19th century American vernacular house-types; College of Environmental Design Lecture, UC-Berkeley, on "Images of the American Landscape," and a Department of Geography seminar on "Reflections from the Landscape"; Department of Geography, Queen's University, Kingston, Ontario, on the changing morphology of the American city; The Ellen Churchill Semple annual lecture at the University of Kentucky, on "Images of the American Landscape," and a Geography seminar on changing urban morphology; and Department of Geography, State University College of New York at Oneonta, on American landscape art, and a second lecture on the interpretation of topographic maps.

Arthur V. Ciervo, director of Public Information and Relations, is the winner of the 1981 Alice Beeman Award, presented by the Council for the Advancement and Support of Education (CASE). The Beeman Award for Advancement Writing, CASE's most prestigious public relations award, is given for "significant editorial contribution to institutional advancement." It recognizes books, monographs and articles which contribute to greater professionalism in the educational field, and for CASE members. Mr. Ciervo has published extensively in professional journals, with a special interest in time management, public relations techniques and productivity for college operations. Among his more recent publications are "Ten Ways to Increase Your Productivity" (CASE Currents 1976), "The Six P's of PR Management" (Public Relations Journal), "Problem-Solving in University Relations" (CASE Currents, 1979), and "How to Cope with Stress in Public Relations" (CASE Currents, 1980). Mr. Ciervo has also contributed to the *Handbook of Institutional Advancement* and was editor of *Using the Mass Media*, both published by Jossey-Bass.

Robert Trehy, professor of music and a Fellow in the Institute for the Arts and Humanistic Studies, performed the part of Herr von Faninal in the Opera Company of Boston's production of Richard Strauss' *Der Rosenkavalier*. The opera was presented at The Opera House in Boston March 20 and 22 and April 2 and 5. On April 3, Mr. Trehy was featured in a luncheon recital for the Boston Opera Guild, performing works by Schubert and Richard Strauss.

Dr. Vladimir S. Stubican, professor of materials science and engineering, presented an invited keynote address entitled "New Developments in Ceramic Systems" at the 5th International Meeting on Technical Ceramics in Bologna, Italy. He also acted as the representative of the United States in the round table discussion on "New Trends in Technical Ceramic Materials."

Dr. James Garbarino, associate professor of human development, is the recipient of the 1980 Human Development Award in research presented by the Counseling and Human Development Division of the American Educational Research Association. The award was bestowed for an article Dr. Garbarino co-authored in *Child Development*. It was titled "High Risk Neighborhoods and High Risk Families: The Human Ecology of Child Maltreatment."

Diane Pepe, assistant professor of art, was visiting artist at Edinboro State College on April 30 and May 1. While on campus she

presented lectures and demonstrations on making handmade paper. Professor Pepe, who established the Penn State offerings in paper making, will serve on the faculty of the Arrowmont School of Arts and Crafts this summer.

Sigmond S. Birkenmayer, professor of Slavic languages, read a paper entitled "Polish Themes in Nekrasov's Poetry" at the Symposium on 19th and 20th Century Polish and Russian Literature in Honor of Professor Xenia Gasiorowska at the University of Wisconsin-Madison.

Bookshelf

The second volume of **Dr. Rio Preisner's** *Aspekte einer prokultivierten tschechischen Germanistik (Aspects of Protoactive Czech German Studies)* has just been published in the Federal Republic of Germany. Both volumes of this anthology of studies, essays, and papers by Dr. Preisner, a professor of German who was exiled from Czechoslovakia in 1968 during the short-lived "Prague Spring," are conceived as a structured unit.

The first volume, published in 1977, progresses from general hermeneutic theory to a direct interpretation of texts, especially of works by Franz Kafka. It then examines closely the historic relationships between German and Czech culture and outlines in detail a history of Czech German Studies from its beginnings until the liquidation of free humanistic research in Czechoslovakia following the Communist takeover in 1948.

The just published second volume continues the examination of the problem of the confrontation of two cultures in a study about the "Bohemian Syndrome" in René—later Rainer Maria Rilke. This study is followed by an essay about the fate of the poet and of poetry in our time, defined by Dr. Preisner with Holderlin's term as "scarce" (*dürrig*). From this position, Dr. Preisner moves in a number of studies and essays into the field of historical phenomenology, paying special attention to the "Post-February-Era" and the catastrophic cultural and social changes and systematically imposed following the introduction of the Communist system in Czechoslovakia in 1948. A long philosophical essay is devoted to the quarrel about the meaning of history against the background of the contrast between humanistic education (*Bildung*) and ideological indoctrination (*Schulung*). This topic is further examined in an essay about the "vases communicants" of avant-garde and ideology. The second volume concludes with an *Open Letter To Gunter Grass* in which Professor Preisner analyzes polemically the so-called "third way" of a synthesis of socialism and democracy.

Both volumes of Dr. Preisner's *Aspekte* appeared in the series *Colloquium slavicum*, vols. 8 and 12.

Dr. Preisner is the author also of a third book in German, published in 1968. The work deals with the 19th century Austrian dramatist and actor Johann N. Nestroy.

Dr. Kenneth A. Thigpen, associate professor of English, is the author of *Folklore and the Ethnicity Factor in the Lives of Romanian-Americans*, recently published by Arno Press, N.Y. The book, which is part of the World Folklore Series, is the first book published on Romanian-American folklore, and complements studies of other ethnic groups and their folk culture in America initiated at the Indiana University Folklore Institute.

Dr. Thigpen was recently re-elected to a second two-year term as president of the Pennsylvania Folklore Society, and he has been appointed to the Governor's Task Force on Folk Arts. This advisory group is being called together in a cooperative venture between the Pennsylvania Council on the Arts and the Pennsylvania Humanities Council (formerly the Public Committee for the Humanities in Pennsylvania).

Martha T. Halsey, professor of Spanish, is the co-editor of two recently published plays by Spanish dramatist, Jose Martin



Mr. Malloy

Mr. Kibelbek

Recuerda. Recuerda was in residence at Penn State for three weeks last spring when his drama, *The Immates of the Convent of Saint Mary Egyptian*, was performed.

In the introduction, Dr. Halsey analyzes the historical background and dramatic technique of *El engano*, a play which dramatizes the opposition of Juan de Dios, a popular saint of Granada, to Charles V's imperial politics and religious wars and his support for the common people who suffered the results of such policies. The drama thus portrays the "other face" of the Empire and constitutes an outcry against an abuse of power that continued during Franco Spain.

The second drama, *Caballos desbocados*, which also takes place in Andalusia, deals with the problems of Spain's transition to democracy and the current movement for autonomy.

The edition of these two plays form part of the series "Hispanic Letters" published by Ediciones Catedra de Madrid.

25-year chairs

Anthony Kibelbek Jr., manager of purchasing at the Applied Research Laboratory, is observing his 25th year as a University employee.

After earning a B.A. degree in liberal arts from Penn State in 1952, Mr. Kibelbek served as a communications officer in the U.S. Army, worked for radio station WCOJ in Coatsville, Pa., and was a management trainee for the Sealtel Company in Wilmington, Del. He started at the ARL on April 16, 1956, as an assistant purchasing agent and was promoted to purchasing agent before assuming his current position. His duties have included the purchase of a wide variety of equipment, materials and services required for the Laboratory's research and development work.

Mr. Kibelbek has served as a fraternity advisor and on township boards. One of his hobbies is collecting Indian artifacts.

Jack Malloy, building supervisor of the HUB in the Office of Student Affairs, received his 25-year chair from Penn State this month.

"The best way to describe this job is in one word—helic," says Mr. Malloy, whose duties in the heavily used HUB include overseeing all maintenance and housekeeping operations, as well as set-ups for the building's many meetings and special activities.

Mr. Malloy, who has served in his present position for the past six years, spent his first 19 years as a glassblower in the Chemistry Department, where he created special glassware for research. His father, too, was a glassblower in the Chemistry Department, and his mother worked as a technician for the College of Earth and Mineral Sciences.

Active with the Nittany Knights Chorus, Mr. Malloy sang for a number of years with the Knight Shadows, a quartet which is part of the chorus. Other of his interests include fishing with son Mark, attending Penn State football (he buys a season ticket every year) and driving through the mountains.

Mr. Malloy—who served in the Merchant Marines during World War II and in the Marine Corps during the Korean War—is a member of the VFW and the American Legion Posts in State College. He says he has seen most of the world, but would like to travel extensively around the United States.

"It's been a very interesting 25 years," he notes, "but I wonder where the time has gone. It's sure gone fast."

Promotions

Staff Exempt

J. Diane Beezer to admissions counselor II in Undergraduate Admissions.
Dorothy F. Mihelic to staff assistant/executive programs in Business Administration.

Clerical

Theresa Fisher to clerk A at Delaware County.
Linda K. Gummo to inventory clerk in Housing and Food Services.

Technical Service

Gregory A. Butts to dining hall worker A in Housing and Food Services.
Kenneth Mandel to stock delivery clerk in Business Services.
Lawrence J. Zimmerman to storeroom worker in Housing and Food Services.

Partings

Margaret B. Morrow, a residence hall worker in Housing and Food Services at the Beaver Campus, left the University on March 7. She had been employed since Aug. 12, 1970.

Bernadine K. Cox, a senior receiving clerk in the Libraries, retired May 1 after serving on the staff since Aug. 1, 1968.

Kathryn C. Doland, a secretary in the College of Agriculture since Nov. 1, 1964, retired May 1.

Pearle C. Barger, a drafting room clerk in the Office of Physical Plant, retired May 1 after serving with the University since Sept. 1, 1965.

Obituaries

Dr. William L. Henning Sr., Pennsylvania secretary of agriculture from 1955 to 1963 and professor emeritus of animal industry, died April 30 at the age of 81.
Dr. Henning joined the faculty in 1922, the same year he earned his M.S. at Penn State. His undergraduate degree was granted by Ohio State and his Ph.D. in genetics by the University of Wisconsin. He retired in 1965.

As secretary of agriculture, Dr. Henning stressed the importance of research to improve the quality of Pennsylvania farm products and worked to increase knowledge of the opportunities for the improvement and expansion of agriculture in the Commonwealth.

At the University, he was active in obtaining a \$100,000 grant for providing livestock improvement fund to purchase seed stock for Penn State herds and flocks. He was instrumental also in obtaining funding for Penn State's Animal Science Building and Barn, the Meat Evaluation Center, the Mushroom Research Center and the agricultural testing facility at Rock Springs.

Frank E. Reish, who retired in 1956 as a stock clerk in Science, died April 28 at the age of 86. He had begun his University service in 1931 as a janitor with Physical Plant.

Mary V. Bartley, a production helper with Housing and Food Services when she retired on disability in 1964, died April 27 at the age of 64. She joined the staff in 1961 as a cook.

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University Park Calendar

May 7-17

Special Events

Thursday, May 7

Spring festival, "Horizons," exhibits, films, music, through May 10.
MC3B/Hillel Foundation, Tay Sachs testing, 2-6 p.m., HUB Ballroom.
Dept. of History, "Problems of Managing and Preserving Public Records and Documents," 3 p.m., Nittany Lion Inn. Panels, Robert M. Warner, archivist of the U.S.; Robert J. Maddox, history; Nancy Cline, bibliographic resources, Pattee.

Cinemathèque, *The Wild Bunch*, 7 and 9:30 p.m., Room 108 Forum. Also May 8.
E&M Student Council lecture, 7:30 p.m., Room 22 Deike. Alistair Fraser, meteorology, on "The Rainbow Connection."

Penn State Thespians, *Mame*, 8 p.m., Schwab Auditorium.

URTC, *The Crucifer of Blood*, 8 p.m., The Playhouse.

Friday, May 8

Last day to sign Spring Term and NDSL University Long Term Loans, Room 108, Shields.

Sports: track (women), EAIAW Championships, through May 9.
Music in Interesting Times, 2:20 p.m., Music Bldg. Recital Hall. Rustical Quality String Band, "Folk Tradition Lives."

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Roy Buck, sociology, on "Tourism and the Plain People of Lancaster County."

Commonplace Theatre, *Malicious*, 7 and 9 p.m., Room 112 Kern. Also May 10.
Penn State Thespians, *Mame*, 8 and 8 p.m., Schwab Auditorium.

URTC, *The Crucifer of Blood*, 8 p.m., The Playhouse.

Saturday, May 9

Shaver's Creek Nature Center, beekeeping program, 9 a.m.-3 p.m. By preregistration only. \$65-1851, 8 a.m.-3 p.m. weekdays.
College of Science, Science Open '81, open house of the College, 10 a.m.-5 p.m. Tours start in Osmond Hall.
Penn State Thespians, *Mame*, 2 and 8 p.m., Schwab Auditorium.

France-Cinema, Renoir, *Grand Illusion*, 7 and 9 p.m., Room 112 Kern. Also May 11.

Sports: lacrosse (men) vs. Army, 8 p.m.

URTC, *The Crucifer of Blood*, 8 p.m., The Playhouse.

Penn State Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sunday, May 10

University Chapel Service, 11 a.m., Eisenhower Chapel. Stanley Paulson, dean, College of the Liberal Arts, speaker.

Children's Theatre Ensemble, "World Winds," 1 p.m., The Pavilion Theatre.
Honors Convocation, 2 p.m., Eisenhower Auditorium.

Penn State Glee Club Concert, 3 p.m., Schwab Auditorium.

Penn State Internationale Dancers, Annual Mother's Day Performance, 3 p.m., Room 132 White Bldg.

Lawrence Rich and Julian Gray, guitarists, and Jeanne Swack, flutist, 7:30 p.m., Music Bldg. Recital Hall.

HPER Colloquy, 8:30 p.m., Room 101 Kern.

Curtis S. Wilbur, Johnson & Johnson, on industrial fitness programs.

Monday, May 11

Fixed date for meetings involving Commonwealth Campus Faculty. Also May 12.

Compos Film, "Flatland and Why Man Creates," noon, Room 112 Kern.

Music in Interesting Times, 2:20 p.m., Music Bldg. Recital Hall. William C. Miller on "Old New Music: A Baroque Retrospective."

Brazilian Film Fest, *Bye Bye Brazil*, 3 p.m., Eisenhower Auditorium.

Dept. of Chemistry, Whitmore Lecture Series, 8 p.m., Room 333 Whitmore. Allen J. Bard, Univ. of Texas, on "Photoelectrochemistry: Electrochemical Systems and Light."

through May 14, see "Seminars" for details.
Michael Telp, piano, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, May 12

Comp. Lit. Luncheon, 12:15 p.m., Room 204



Scene from "Tent of Miracles" to be shown May 12.

HUB, R. Thomas Berner, journalism, on "Newspaper Writing as Literary Art."
Brazilian Film Fest: colloquium with Luiz Felipe Seixas Correa, cultural affairs officer, Brazilian Embassy, 2:30 p.m., HUB Gallery Lounge; film, *Tent of Miracles*, 8 p.m., Eisenhower Auditorium.

Comp. Lit. Film Series, *I Love You, Alice B. Toklas*, 7 and 9 p.m., Room 112 Kern.

Archaeological Institute, illustrated poetry readings, 8 p.m., Room 101 Kern. Robert Lima, Spanish and comp lit, on "The Rites of Stone."

German Dept. lecture, 8 p.m., Room 167 "Willard, Ulrich Matthee, Univ. of Kiel, on "Aktuelle Probleme deutscher Politik."

URTC, *The Crucifer of Blood*, 8 p.m., The Playhouse.

Wednesday, May 13

Commons concert, Allegheny String Band, noon, Kern Lobby.

Sigma Delta Epsilon, brown bag luncheon and lecture, noon, Room 101 Kern. Robert B. Beelman, food science, on "Wine-Making - An Art or Science?"

Music in Interesting Times, 2:20 p.m., Music Bldg. Recital Hall. Bill Foltz on "Music Everywhere: Muzak."

Nittany Lion Band Concert, 6:30 p.m., Fisher Plaza.

URTC, *The Crucifer of Blood*, 8 p.m., The Playhouse.

Penn State Symphonic Wind Ensemble, chamber music, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, May 14

Sports: lacrosse (women), AIAW National Championships, through May 16.

HUB Craft Center, exhibition and sale, 11 a.m.-6 p.m., Kern Lobby. Also May 15.

STS/TCID, luncheon, noon; talk, 12:30 p.m., Room 101 Kern. Philip Klais, English, on "Literature and Technology."

Cinemathèque, *The Touchables*, 7 p.m.; *God Told Me To*, 9 p.m., HUB Assembly Hall. Also May 15.

URTC, *The Crucifer of Blood*, 8 p.m., The Playhouse.

Friday, May 15

Music in Interesting Times, 2:20 p.m., Music Bldg. Recital Hall. Douglas Miller, music, on "Who Says We Can't? PSU Students and New Music."

Dept. of Philosophy, Annual Heidegger Conference, 3 p.m., Room 402 Keller Bldg. Also May 16 & 17.

Sports: track (men), Penn State Open, 3 p.m. Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Kari Humphrey, sociology and American studies, on "The

Promotion of Growth and Its Impact on the Pennsylvania Small Town."

Commonplace Theatre, *Hair*, 7 and 9 p.m., Room 112 Kern. Also May 17.

URTC, *The Crucifer of Blood*, 8 p.m., The Playhouse.

Bob Hutsko, trumpet recital, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, May 16

Sports: track (women), Penn State Open; golf (men) Alumni Tournament, 10 a.m.; tennis (men) vs. Mercyhurst, 1 p.m.

France-Cinema, Bunuel, *Diary of a Chambermaid*, 7 and 9 p.m., Room 112 Kern.

URTC, *The Crucifer of Blood*, 8 p.m., The Playhouse.

School of Music Alumni Recital, 8:30 p.m., Music Bldg. Recital Hall.

Sunday, May 17

Dept. of Philosophy, "Tribute to the Philosophy of John M. Anderson. Evan

Pugh Professor Emeritus of Philosophy." Sessions at 2:30 and 7:30 p.m., Room 124 Sparks.

Seminars

Thursday, May 7

Statistics, Carol Redmond, Univ. of Pittsburgh, on "Statistical Analysis of Clinical Trials," 4 p.m., Room 62 Willard (new listing).

Friday, May 8

Surface Science, Haskell Taub, Univ. of Missouri, on "Neutrons Scattering Studies of Physicized Molecular Films," 9:30 a.m., Room 339 Davey.

Analytical Chemistry, George DeStefano, grad. student, on "Liquid Chromatograph-Mass Spec Interfaces," 11:10 a.m., Room 333 Whitmore.

UDIS, "Test Construction - Part I," 2 p.m., Room 128 Mitchell Bldg. Reservations, 863-0668.

Physical Chemistry, Gregory Alms, Polymer Product Dept., DuPont, on "Quasi-Elastic Light Scattering from Polymers," 2:30 p.m., Room 333 Whitmore.

Monday, May 11

Nutrition, Stephen Pohl, internal medicine, Univ. of Virginia, on "Mechanisms for the Development of Insulin Resistance," 3:35 p.m., Room 223 Henderson.

Chemistry, Whitmore Lecture Series, Allen J. Bard, Univ. of Texas, on "Semiconductor Electrodes and Photovoltaic Cells," 8 p.m., Room 333 Whitmore.

Tuesday, May 12

Metallurgy, S. Kaja, grad. student, on

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

"Diffusion Barriers in Electroplated Electrical Contacts," 11 a.m., Room 301 Steidle.
UDIS, "Test Construction - Part II," 2 p.m., Room 128 Mitchell. Reservations, 863-0668.
Biology/Plant Pathology, M.C. Nish, biology, Temple Univ., on "Effects of the Transfer Messenger RNA from One Organism to Another," 2:20 p.m., Room 8 Mueller.
Environmental Pollution Control, Ramond W. Regan, civil engineering, on "An Update on Resource Recovery in Centre County," 2:20 p.m., Room 128 Sackett.
Acoustics, Glyn Adams, B&W Loudspeakers, Ltd., Worthing, England, on "The Measurement of Loudspeaker Diaphragm Motion by Laser Interferometry," 2:30 p.m., Room 73 Willard.
Chemical Engineering, Robert Prud'homme, Princeton Univ., on "Interactions of Surfactants and Polymers in Aqueous Solutions," 3:45 p.m., Room 140 Enke.
Geosciences, Bryan L. Isaacs, Cornell Univ., on "Contrasting Styles of Subduction in the New Hebrides Island Arc and South America," 3:45 p.m., Room 112 Walker.
Plant Pathology, Robert Theberge, grad. student, on "Spore Wars: The Role of Plant Pathology in Bio-Warfare," 3:55 p.m., Room 213 Buckhout.
Chemistry, Whitmore Lecture Series, Allen J. Bard, Univ. of Texas, on "Semiconductor Electrodes and Photovoltaic Cells," 8 p.m., Room 333 Whitmore.

Wednesday, May 13

UDIS, "Test Construction - Part II" (repeat), 2 p.m., Room 128 Mitchell. Reservations, 863-0668.

Aerospace Engineering Department, Dr. Robert P. Dring, United Technologies Research Center (East Hartford, Conn.), on "An Investigation of Axial Compressor Rotor Aerodynamics," 4 p.m., Room 232 Hammond.

Chemistry, Whitmore Lecture Series, Allen J. Bard, Univ. of Texas, on "Photoelectrochemistry and Heterogeneous Photocatalysis," 8 p.m., Room 333 Whitmore.

Thursday, May 14

Chemistry, Whitmore Lecture Series, Allen J. Bard, Univ. of Texas, on "Polymer Modified Electrodes," 9:30 a.m., Room 333 Whitmore.

Ceramic Science and Engineering, James S. Reed, Alfred Univ., on "Plasticity and Extrusion," 11 a.m., Room 301 Steidle.

Chemistry, Bruce Betts, Columbia Univ. speaker, 12:45 p.m., Room 333 Whitmore.

Agromony, Barry Liebowitz, grad. student, on "An Evaluation of Some Permitted Sewage Sludge Application Sites in Pennsylvania," 3:55 p.m., Room 111 Tyson.

Physics, P.R. Bunkley, National Research Council of Canada, on "A New Approach to Molecular Symmetry."

Fuel Science, Peter Gawn, fuel science, on "History of Coal Utilization," 4 p.m., Room 301 Steidle.

Mathematics, Robert Chen, Univ. of Miami, on "Uniform Distribution of Generalized Kakutani Interval Splitting Processes," 4 p.m., Room 102 McAllister.

Friday, May 15

Mathematics, Gian-Carlo Roita, MIT, on "Classical Variational Theory Today," 2:20 p.m., Room 367 Willard.

Exhibits

Kern Gallery: Robert Gray, prints. Martha Holt, ceramics and photographs. Bill Rienser, leather.

Museum of Art: Selected works from the collections of the Ford and Sanford Ford and Samuel Gallo. Selections from the Museum's American collection. Watercolors from the permanent collection, through May 17.

Pattee Library: "Archaeology: Past, Present and Future," through May 14; "Igitt's House: An Architectural Study," opens May 14; East Corridor Gallery, Frank Chetelat, "A Photographic Inquiry into European Architectural Motifs," through May 14; Karen Simonitis, recent paintings, opens May 14; Lending Services Lobby, Ukrainian Folk Art, through May 11; Becky Matrazzi, glass, opens May 11. Main Lobby, Martha Carothers, "The Design and Production of Children's Story Books," opens May 11. Rare Books Room.

News in brief

(Continued from page 1)

southwestern Pennsylvania and northern West Virginia between 1928 and 1963, comprise the largest corpus of Anglo-Celtic-American instrumental folk music. The new book complements *Hill Country Tunes*, a definitive work issued in 1944 by Mr. Bayard, who is professor emeritus of English and comparative literature.

Texas chemist to give Whitmore talks

Allen J. Bard, Josey Professor of Chemistry at the University of Texas at Austin, will present the 1981 Whitmore Lectures on May 11, 12, 13 and 14.

Dr. Bard's topic will be "Photoelectrochemistry: Electrochemical Systems and Light." His talks are entitled "Electrogenenerated Chemiluminescence," "Semiconductor Electrodes and Photovoltaic Cells," "Photoelectrosynthesis and Heterogeneous Photocatalysis" and "Polymer Modified Electrodes." The first three talks are scheduled for 8 p.m. in Room 333 Whitmore, and the final lecture will be given at 9:30 a.m. in 333 Whitmore.

A Harvard Ph.D., Dr. Bard has published about 260 papers in his research area, and is the author of the textbook *Chemical Equilibrium* and co-author of *Electrochemical Methods*. He was the editor of the 11-volume *Electroanalytical Chemistry* and the 13-volume *Encyclopedia of the Electrochemistry of the Elements*.

The Whitmore Lecture Series was established in 1976 to honor the late Frank C. Whitmore, a member of the National Academy of Sciences who was dean of the School of Chemistry and Physics, which preceded the College of Science at the University.

Lima to read poems

Dr. Robert Lima, professor of Spanish and comparative literature, will present an illustrated poetry reading Tuesday, May 12, at 8 p.m. in Room 101 Kern Building.

His talk is sponsored by the Central Pennsylvania Society of the Archaeological Institute of America.

Dr. Lima will be reading from his manuscript, *The Rites of Stone*, a collection of poems on the archaeology and myths of Peru and Bolivia, which was written while he was a Senior Fulbright-Hays Fellow during 1976-77. The poems will be illustrated by slides of the various archaeological sites and artifacts which inspired them.

Tay-Sachs testing available today (May 7)

In an effort to reduce the incidence of an incurable disease, the University will hold a Tay-Sachs Testing Day, Thursday, May 7, from 2 to 6 p.m. in the HUB Ballroom.

Testing will be administered by medical personnel from the Tay-Sachs Prevention Program of the Thomas Jefferson University and the Delaware Valley Chapter of the National Tay-Sachs and Allied Diseases Association.

"Tay-Sachs disease is caused by the absence of a vital enzyme, causing the deterioration of a child's nervous system," says Dr. Ron Yasin, assistant professor of microbiology.

"Death usually occurs by the age of 5 or 6."

Because Tay-Sachs can only occur when two carriers reproduce, the disease is preventable through the testing of potential carriers.

"Although carriers can never develop the disease themselves, it is important that they know their status in the event they marry another carrier," Dr. Yasin says. "One of every 300 Americans is a carrier of the Tay-Sachs gene, and among Jewish Americans the incidence — one of every 25 — is substantially higher."

Philosophy hosts Heidegger Conference and tribute to Emeritus Professor John Anderson

Dr. Joseph J. Kockelmans, professor of philosophy, will be one of seven speakers participating in the 15th Annual Heidegger Conference, to be hosted by the University May 15 through 17.

Other speakers are David Kolb, Bates College; Wilhelm Wurzler and Andre Schuwer, Duquesne University; John D. Caputo, Villanova University; Michael Zimmerman, Tulane University; and Samuel Ijsseling, University of Louvain and director of the Husserl Archives.

Additional information may be obtained from the Department of Philosophy by telephoning 865-6397.

The Department of Philosophy is sponsoring "A Tribute to the Philosophy of John M. Anderson" on Sunday, May 17, beginning at 2:30 p.m. in Room 124 Sparks Building.

A dinner will be held at 6 p.m., followed by a second session at 7:30 p.m.

Dr. Anderson, who is Evan Pugh Professor Emeritus of Philosophy and a

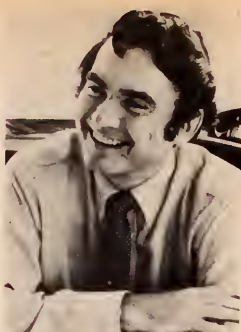
former head of the Department of Philosophy, retired in 1980 after 34 years at the University.

Among his writings are three books, *The Truth of Freedom*, *The Realm of Art* and *The Individual and the New World*. He also co-authored *Natural Deduction: The Logic of Axiom Systems*.

Participants in the first session of the Tribute include Cyril Welch of Mt. Allison University; John Bailiff of the University of Wisconsin-Stevens Point; Barbara Anderson; and Michael Heim of Missouri Western State College.

Henry Johnstone Jr., professor of philosophy at the University, will make a dinner speech. At the 7:30 p.m. session, discussants include Webster Hood of Central Washington University; John Muriungi of Towson State University; Orville Clark of the University of Wisconsin-Green Bay; and Steven Gans of the University of Maryland.

Dr. Anderson will offer responses at both sessions, which follow the May 15-17 Heidegger Conference.



Dr. Gallagher

Education Alumni Fellow to visit May 12-15

Dr. James J. Gallagher, director of the Frank Porter Graham Child Development Center and Kenan Professor of Education at the University of North Carolina, will return to University Park May 12-15 as an Alumni Fellow.

Dr. Gallagher, who received his M.S. (1950) and Ph.D. (1951) from the University, will be a guest of the College of Education under a program sponsored by the Penn State Alumni Association.

Named to his present positions in 1970, Dr. Gallagher previously served as deputy assistant secretary for planning, research and evaluation in the U.S. Office of Education in Washington, D.C. Earlier he was an associate commissioner and chief of the Bureau of Education for the Handicapped with the Office of Education.

His academic experience has included a professorship at the University of Illinois, where he was also associate director for the Institute for Research on Exceptional Children. He was a visiting adjunct professor at Duke University.

A former president of the Council for Exceptional Children, Dr. Gallagher has written many articles for the professional journals. Among his published books is *Teaching the Gifted Child*.

Admission guidelines approved for major

New guidelines for admission to the undergraduate advising major in the College of the Liberal Arts have been approved.

"Effective immediately, applicants will have to have achieved six term standing with a minimum cumulative grade point average of 3.0," Dr. Robert E. Dunham, vice president for undergraduate studies, reports.

Applicants also will have to have completed Economics 2, a course in methods of economic analysis, and English 20 (or 30), composition and rhetoric, with grades of C or higher. In addition, they will have to have attained the 12-credit proficiency level in a foreign language.

In the past, requirements for admission to the major were a minimum cumulative GPA of 2.0, completion of at least the first term of a foreign language with a grade of C or higher, and a grade of C or higher in any advertising course already taken. Generally, liberal arts students request to be admitted to a specific major any time between their third and seventh terms of study.

According to Dr. Dunham and Liberal Arts Dean Stanley Paulson, the new policy is being implemented because of over-enrollment in the major. It will apply to all freshmen admitted to the University during the 1980 Fall Term or later.

Liberal Arts and Division of Undergraduate Studies students admitted before that time who have declared their intention to major in advertising but not yet enrolled in a major may enter the major if they comply with the original requirements.

College holding regional spring meetings

The College of Human Development is reaching out again this spring to establish closer ties with its faculty members, administrators and constituents throughout the Penn State system.

Four regional meetings are being held to help the College work more effectively in delivering its programs of instruction, research and service at Penn State's various campuses.

A team of College administrators travels to the meetings, which are being hosted by the Altoona, Berks, McKeesport and Worthington Scranton Campuses. Attending are Campus administrators, faculty members from both the Resident Instruction and Continuing Education programs, students and alumni.

William Parsonage, faculty associate to the Dean, explains that the meetings are designed to:

- update those present on the current programs and future directions of the College;
- provide an opportunity for input and exchange with Campus representatives;

— offer a faculty development program. Dr. Helen Snyder, associate professor of educational psychology, leads a discussion of such topics as techniques for handling difficult classroom situations, effective evaluation modes, and special issues in teaching adult students.

The campaign is an outgrowth of a "Human Development — Action '80" program held at University Park last fall.

In addition to Professor Parsonage, College administrators attending the meetings include Margaret S. Bastuscheck and Martha L. Starling. Dean Evan G. Pattishall Jr., Associate Dean Edward V. Ellis and selected program heads from the College are also attending some of the meetings, along with Continuing Education representatives and J. Thomas Kidd of the Alumni Association.

The program, which was held for the first time last year, is a cooperative venture of the Commonwealth Education System, the College of Human Development, and the Human Development Alumni Society.

Time management seminar to be held May 13

The concept of time management and its relationship to increased profits and productivity is the subject of a Penn State seminar scheduled for Wednesday, May 13, from 8:30 a.m. to 4:30 p.m. at the J. Orvis Keller Conference Center.

"Time Management for Managers and Supervisors" is a program for persons who want to learn effective methods of analyzing and budgeting for time needs.

The instructor, John W. Hamilton, assistant professor of management development at Behrend College, was formerly the assistant secretary and

director of industrial relations with the Manufacturers Association of Erie. In this capacity, he counseled and advised the top management of 115 diversified manufacturing firms and 30 commercial businesses in all aspects of labor management relations.

Persons wishing to preregister or receive further information about the program, which is being offered as a cooperative continuing education service of the Colleges of Business Administration, Engineering and the Liberal Arts, should call Continuing Education (814) 865-3443.

Hotel safety advice offered for travelers

In the aftermath of deadly hotel fires — such as the one that struck the MGM Grand in Las Vegas late last year — considerable attention has been focused on sprinkler and alarm systems and other structural safety features.

But according to University fire prevention specialist Tom Hand, travelers should also be prepared to look out for themselves, for even the best fire alarm and safety equipment cannot negate a frequent killer: panic.

"Surviving a hotel fire requires that people keep cool by being prepared to escape," says Mr. Hand.

"As soon as they put down their suitcases, travelers should take a few minutes to become aware of their surroundings and the fire safety equipment which could save their lives," he advises.

Procedures to follow include:

- locating two ways out of the building which are as remote from each other as possible;
 - locating the nearest fire extinguisher and determining whether it is fully operational;
 - locating the nearest in-house fire hoses;
 - locating the nearest fire alarm pull station and determining how to activate it;
 - counting the number of doorways between one's room and the means of escape, information which could save the life of a traveler forced to exit in heavy smoke;
 - checking the room telephone or directory for emergency numbers;
 - determining how windows open and planning an escape route through them.
- "If all of these checks sound like a lot of work," Mr. Hand concludes, "travelers should realize that they could save a life."

Arts Roundup

Two Brazilian films to be shown in Eisenhower

The opportunity to see Brazil as Brazilians see it will be offered at the first formal program of the Telecommunications Project for the Americas, a new activity of the University's Division of Media and Learning Resources in Continuing Education.

The program, "A Brazilian Film Fest," begins Monday, May 11, at 8 p.m., with the showing of *Bye Bye Brazil*, a film widely acclaimed following its release in this country last year, and continues the next evening at the same time with the presentation of *Tent of Miracles*. Both films will be shown in Eisenhower Auditorium.

Bye Bye Brazil follows a tatty caravan of entertainers searching the Brazilian back country for audiences. Writer-director Carlow Diegues moves his oddball troupe through a native rite with wild contrasts and cultural contradictions.

Tent of Miracles portrays the role of black culture in the New World. Based on the Jorge Amado novel of the same name, the film offers a carnivalesque panorama of life in Bahia, the area of Brazil most imbued with the spirit of African culture.

A colloquium will be held in conjunction with the film fest on May 12 at 2:30 p.m. in the HUB Gallery Lounge. The Brazilian Embassy's cultural affairs officer, Luiz Felipe Seixas Correa, will join faculty members and students in a discussion of political and historical influences on the arts in Brazil.

Admission is free, and the public is invited to both the film showings and the colloquium, which are being sponsored by the Division of Media and Learning Resources, the Latin American Studies Program, the Black Studies Program, and the International Student Affairs Office.

The Telecommunications Project for the Americas was created to enhance mutual understanding between North and South America through the use of telecommunications to increase the flow of cultural, technical, and educational information and programs.

Orchestra to play May 9

A program of 19th century works has been planned for the Penn State Symphony Orchestra's final concert of the season Saturday, May 9, at 8:30 p.m., in Eisenhower Auditorium.

The symphony will open the concert with Beethoven's "Egmont Overture," followed by Schubert's Symphony No. 8 in B Minor, commonly called the "Unfinished Symphony."

To close the program, the Symphony will perform the overture to Wagner's *Die Meistersinger* and Brahms's "Academic Festival Overture."

Dr. D. Douglas Miller, associate professor of music, directs the Symphony.

Glee Club, Women's Chorus offer Mother's Day concert

The Penn State Glee Club and the Penn State Women's Chorus will be assisted by baritone Robert Trehy, professor of music and a Fellow in the Institute for the Arts and Humanities Studies, for the annual Mother's Day Concert. The concert is scheduled May 10 at 3 p.m. in Schwab Auditorium.

Among the selections to be performed by the Women's Chorus are Poulenc's "Ave Verum"; Elgar's "The Snow," opus 26, No. 1, with violinists Margaret Lecrone and Barbara Hess and pianist Brenda Harsch; and two mountain ballads arranged by Ron Nelson, "He's Gone Away" and "Barbara Allen."

Gustav Holst's score for the Walt Whitman poem, "Dirge for Two Veterans," and Janacek's "Veni Sancte Spiritus" will be sung in the Glee Club's portion of the

program. The Hi-Los will perform Marshall Barnes' "The Bat," set to a poem by Conrad Aiken, with piano accompaniment by Patrick Finley. William Appling's arrangement of "We Shall Walk Through the Valley in Peace" and William Smith's arrangement of "Ride the Chariot."

Selections from Kurt Weill's *Lost in the Stars*, based on Alan Paton's novel *Cry, The Beloved Country* with lyrics by Maxwell Anderson, comprise the third and final portion of the program, in which Professor Trehy will be featured. This portion of the concert is dedicated to the memory of the Atlanta children.

The Penn State Glee Club and the Women's Chorus are directed by Bruce Trinkle, associate professor of music. Mr. Finley is assistant director of the Glee Club and Ms. Harsch assists with the Women's Chorus.

Bach works to be played at guitar, flute recital

Guitarist Lawrence Rich and flutist Jeanne Swack, both instructors in the School of Music, will be joined by guitarist Julian Gray, chairman of the guitar program at Essex Community College in Baltimore County, Md., for a Sunday, May 10, concert at 7:30 p.m. in the Music Building Recital Hall.

Mr. Gray and Mr. Rich will begin the program with performances of John Dowland's "My Lord Willoughby His Welcome Home" and two anonymous selections, "La Rossignol" and "Drewrie's Accordes." Mr. Gray will then play Bach's Prelude in D Minor and Fugue in A Minor, and Mr. Rich and Ms. Swack will close the first part of the concert with the four-movement Sonata, opus 85 by Mauro Giuliani.

The two guitarists will perform Bach's Prelude in E Major and invention in A Minor to open the second portion of the concert. Mr. Gray will be featured on the Prelude No. 5, Etude No. 8 and Etude No. 12 by Hector Villa-Lobos, and both guitarists will join to perform the final numbers on the program, Giovanni Battista Marella's Menuet I and II and Ferdinando Carulli's Duo, opus 34.

Chamber concert May 13

The Penn State Symphonic Wind Ensemble, conducted by Smith Toulson, will present a chamber music concert on Wednesday, May 13, at 8:30 p.m. in the Music Building Recital Hall.

The group has selected a piece by Paul ensemble, the fanfare to "La Peri" by Brax Dukas, to open its program. Three brass quintets will perform Gabriel's "Canzon quarti Toni" for the concert's second number. Gabriel, who lived in the late 16th and 17th centuries, was the composer for St. Mark's Cathedral in Venice. The numerous choir lofts which had been built into the cathedral influenced the composer to write highly polyphonic works.

Following several selections by the Penn State Percussion Ensemble, members of the Symphonic Wind Ensemble and several guests will perform Dvorak's Serenade in D Minor for Woodwinds, Horns, Cello and Bass to close the concert.

Children's Ensemble to appear in Pavilion

The Penn State Children's Theatre Ensemble will stage a special presentation of "World Winds" on Mother's Day, Sunday, May 10, Set for 1 p.m. in the Pavilion Theatre, the show is open to the public.

"World Winds" has been touring the elementary schools of central Pennsylvania throughout the winter and spring terms. Based on stories set in by school children, the play was worked into final form by the members of the Ensemble through improvisation. It is about two children who travel to six countries around the world in one night.



Stephen Porter, associate professor of art, loads one of his sculptures for a trip to Washington, D.C., where he is currently having a one-man show at the Diane Brown Gallery. Earlier, his work was shown in solo exhibits at the Betty Parsons Gallery in New York City and at the Huntington (W. Va.) Galleries.

Faculty/Staff Alerts

Employment of minors

This is the time of year when those who do hiring should keep in mind State and federal regulations and University policy on the employment of minors.

The law defines a minor, for employment purposes, as anyone under age 18 who has not been graduated from high school. (There is an exception to this. If the chief administrator of the school district determines that an individual under age 18 has attained his or her academic potential and declares that a high school graduation is not required, that person no longer is considered a minor for purposes of employment.)

By University policy, P-5, Employment of Minors, a person under 16 years of age is not permitted to work for the University under any circumstances. In addition, by law, no minor age 16 or 17 for one hour, unless he or she obtains and submits a certificate of employment (commonly called "working papers").

The certificate of employment is issued by the public school authority in which the minor resides. (Certain special arrangements for obtaining certificates can be made for minors who attended school a long distance from the area in which they are being employed.) The employment certificate must be on file in the University's Employment Office (or appropriate business or personnel office at facilities away from University Park) before a minor begins to work. The certificate is issued for a specific job, and a minor cannot be transferred from one job to another unless a new certificate is obtained for the new job. Also, the Employment Division (or business or personnel office) must be notified when the minor terminates so that the certificate can be returned to the issuing school district.

Where there is any doubt about the age of an applicant for a position, the applicant

must submit a proof of age card. This card also is issued by the minor's school district. A birth certificate should not be required.

Please refer to policy P-5-2 if you are contemplating employing a minor. Any questions concerning the policy or the employment certificate procedure should be directed to the Employment Division 865-1387 (Network number 475-1387).

Benefits available between Fixed-Term I appointments

Faculty or staff members on Fixed-Term I appointments may continue certain University benefit programs for the period between appointments, provided they have a firm commitment of re-employment on a Fixed-Term or Standing Appointment basis to begin within no more than three months of the end of the last appointment.

A faculty or staff member may continue the benefit coverage by paying the full rates including the University and the faculty or staff member's share of the cost of the group life insurance and hospital/surgical/major medical, dental and vision coverage, and, if applicable, the voluntary accidental death and dismemberment insurance. However, after three years of continuous Fixed-Term I service (of nine months or more each year), and a commitment of re-employment for the next academic year, the benefits are provided at the regular rates (the amount that is normally deducted from the faculty or staff member's salary).

Any Fixed-Term I faculty or staff member interested in continuing benefit coverage (including dependent coverage) should contact his or her Personnel Representative or Business Manager to complete the necessary form for coverage. This must be completed prior to the expiration of the current Fixed-Term I appointment.

Questions regarding this program should be directed to the Employee Benefits Division (865-1473 or Network 475-1473).

Awards

(Continued from page 1)

Dean Hosler

provide faculty members with maximum independence to pursue their interests and to be productive."

In keeping with his conception of his role, Dean Hosler tries to teach undergraduate courses regularly and to remain active professionally.

"The faculty should feel you can compete in their arena as a researcher and teacher," Dean Hosler says, adding that he believes this activity is essential to his understanding of the faculty's efforts.

Dean Hosler also runs an open office from the standpoint of the students in his College. Once a week, the Dean's Office sponsors a Tuesday afternoon "social" for undergraduate and graduate students, supplying ice cream or punch and cookies.

Student appreciation is expressed in the form of checks — sent in by College alumni to help pay for the continuance of the program.

A native of Honey Brook, Pa., Dr. Hosler received his bachelor's degree in meteorology at Penn State following Naval service in the Asian Theater in World War II. He also earned master's and doctoral degrees in meteorology at the University.

He joined the faculty in 1948 and headed the Department of Meteorology from 1961-65.

A pioneer in weather modification research, he recently received the 1981 Charles Franklin Brooks Award for Outstanding Service to the American Meteorological Society, of which he is a fellow and former president.

A member of the National Academy of Engineering, Dr. Hosler is chairman of the National Academy of Sciences/National Academy of Engineering Stormfury Advisory Panel, as well as the Weather Modification Advisory Panel of the Office of Science and Technology Policy. He has served as a consultant to numerous private corporations and government agencies, including U.S. Senate and House committees.

"I never thought of becoming a dean,"

he says. "As a student, I always thought of a dean as someone with a black suit and gold-rimmed glasses."

"I've been fortunate to have worked with a great many fine department heads and administrators in my College, all of whom manage to keep active in their fields. As a faculty, we have tried to operate pretty much by consensus."

Dr. Marlow

College Board of Trustees, the Centre County Vo-Tech School General Advisory Committee and the Faith United Methodist Church in Bellefonte.

"We all have the same number of hours," Dr. Marlow says, "and we do what we want to do. I'm the kind of person who just can't sit still and do nothing."

He admits that he may have a slight advantage over the average volunteer worker since he teaches time management! If his activities often take him away from his family, at least in one case they brought him closer to them. That was in 1979-80 when, with his wife Mildred, he chaired the Centre County Cancer Crusade in the organization's most successful drive to that point.

Dr. Marlow's face lights up when he talks about the four levels of care available at the United Methodist Home, for whom he has worked for more than 23 years. He is president of the Board of Directors, the first layman to hold that post.

He is also proud of the plaque on his office wall heralding his selection as "Boss of the Year" in 1980 by the Centre County Chapter of the National Secretaries Association.

As head of Management Development Services, Dr. Marlow is responsible for more than 100 full-time and part-time faculty members who conduct conferences, courses and workshops throughout the State.

As director of PENNTAP, he coordinates the statewide technical information network which disseminates information to business, industry, health organizations and government.

He received his bachelor's and master's degrees from the University of Maryland and the doctor of education degree from

the New York State School of Industrial and Labor Relations at Cornell University. He came to Penn State in 1962.

Professor Mann

who are working in their fields."

In contrast to many rare books librarians, who strive to keep the public out of their domains, Professor Mann believes in sharing the special ambience of Pattee's Rare Books Room for appropriate functions. He has hosted many receptions there, not only for visitors to the Libraries but also on such occasions as the opening of the History of Photography spring lecture series and Black History Week. He also arranges regular exhibits — to complement conferences held on campus, to honor retirees or to mark a faculty member's contribution. The current exhibit of Paul West memorabilia, for example, is being held in conjunction with Professor West's Governor's Award for Excellence in the Arts.

A faculty member who Professor Mann knows collects books is apt to find catalogs of materials in his subject field appearing in his mail, and Professor Mann willingly make time to appraise books acquired by faculty members.

A native of Altoona, Professor Mann received his bachelor and master of science degrees at Penn State and his master of library science degree at Rutgers University.

His fields of research specialization include bibliography, literature of the British Commonwealth, Ernest Hemingway, art history, emblem literature and rare books. He recently was named a Fellow of the University's Institute for the Arts and Humanistic Studies.

Professor Mann is co-author of *The Hemingway Manuscripts*, and has written extensively in professional and scholarly publications.

Previously, he was cited by the College of the Liberal Arts for "contributions to scholarship and research and for his assistance to faculty members and visiting professors."

In 1974, he received the first award for Outstanding Contributions to The Pennsylvania State University Libraries.

was one of the new breed of upwardly mobile political figures, quick to profit from the expanding economy of the post-Revolutionary and early national years, yet caught up in the challenges of state and nation-building."

A ten-aged indentured servant from Ireland in 1764, Lyon at the end of the Revolution was a militia colonel, a developer of an iron manufacturing town, and a founder of the new state of Vermont. Elected to the House of Representatives in 1796, Lyon in 1801 transplanted his family to the Kentucky frontier, founded a mercantile town and was again elected to Congress.

In concluding her biography, Dr. Austin confronts the contradictory elements in Lyon's personality and behavior, particularly the ambivalence between his opportunism and his dedication to the principles of the American Revolution. She further suggests that there is an ambivalence in the American Revolutionary tradition which Lyon embodies. In essence, this "new man" combined the pursuit of happiness for public well-being with the pursuit of property for private advancement.

Milton and Augustine: Patterns of Augustinian Thought in Milton's *Paradise Lost*. By Peter A. Fiore. 144 pages. \$14.50.

The first complete study of the influence of Augustine on Milton's epic of the Fall of Man, this book presents a detailed investigation of the principal dogmatic concepts in *Paradise Lost*, studied against the background of Augustinian theology. Dr. Fiore shows how Milton — unlike most other Puritans, but like Augustine — always emphasized hope in "God's infinite mercy."

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all university employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (ext. 1000) (TS-1387). Applications for these staff vacancies will be accepted until 3 p.m., May 14, 1981. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

APPLICATIONS PROGRAMMER/ANALYST, OFFICE OF PLANNING AND BUDGET, University Park. Together with the Lead Applications Analyst/Programmer, conduct analyses of data processing and customer data problems and needs. Determine detailed requirements for solving problems and prepare computer programs and systems to achieve desired end results. Baccalaureate degree or equivalent experience in computer science and two to three years of effective experience in computer programming and analysis required. Knowledge of RULI and/or Cobol programming languages and structured programming techniques helpful.

ASSISTANT FOOD SUPERVISOR, HOUSING AND FOOD SERVICES, University Park. Responsible for assisting in the supervision of dining hall operations, to include implementation of University and departmental procedures and policies. Bachelor's degree in hotel and restaurant management, institutional management, food and nutrition, or equivalent.

CURATOR, PIANOS AND ORGANS, COLLEGE OF ARTS AND ARCHITECTURE, University Park. Responsible to Director of the School of Music and the Director of University Arts Services for procurement, artistic performance and maintenance of University owned pianos and organs and other stringed instruments. Duties include tuning, restoration of pianos and organs, conducting lectures on piano technology, coordinating purchase of new instruments, and overall responsibility for the School of Music's and University Arts Services pianos and organs. Formal piano technician training or equivalent in conservation of musical instruments and two to four years effective experience. Membership in the Piano Technician's Guild is required.

SUPERVISOR OF ADMISSIONS OPERATIONS, UNDERGRADUATE ADMISSIONS, University Park. Responsible to the Director of Undergraduate Admissions for managing all support functions to insure the effective operation of the office. Serve as a coordinator between the staff and clerical employees carrying out approved policies and procedures for the office. Coordinate with Management Services, Bursar, and other offices on admission matters. Bachelor's degree (or equivalent) plus one to two years of effective experience in office supervision.

ADMISSIONS COUNSEL I, UNDERGRADUATE ADMISSIONS, University Park. Responsible to the Assistant Director of Admissions for general assistance in handling of the more routine admissions matters in an assigned regional area. Participate in and administer admissions activities for freshmen, advanced standing, transfer, postgraduate, and graduate students who are baccalaureate or associate degree candidates for University Park Campus and for assigned Commonwealth Campuses and Behrend College. Bachelor's degree (or equivalent), plus 6 to 9 months of effective experience in educational administration. A record of participation in and contribution to extracurricular or avocational or civic activity desirable.

GRANTS & CONTRACTS OFFICER, COLLEGE OF MEDICINE, Hershey. Responsible to the Director of Grants and Contracts for meeting the requirements of the various federal agencies with respect to the negotiation of contracts, subcontracts and grants, and to assist with proposals, analyses, reviews and recommendations as to acceptance of contracts and grants with the various federal agencies and non-federal organizations. A bachelor's degree with some accounting training, four to five years of related effective experience. Familiarity with University and governmental accounting procedures and policies desirable but not required.

In this study, Dr. Fiore concentrates mainly on Augustine's and Milton's teaching on the Fall of the Angels, preternatural Adam and Eve, Original Sin, the Incarnation, Christology, and Redemption. The author concludes that Milton, like many humanists, Christian philosophers, Reformers and theologians of every variety in the early 17th century, drew widely from Augustine. Furthermore, such indebtedness gave a richer and fuller theological dimension to Milton's epic of lost paradise and enhanced the meaning of the poem.

July 31 deadline set for activities, publications data

Members of the faculty and staff who wish their publications and professional activities listed in the University's annual bibliographies should send this information to their department heads, research deans or intercollegiate research unit directors.

Detailed instructions for the submission of these listings are given in a May 1 memo from Dr. R.G. Cunningham, vice president for research and graduate studies. Copies of this memo are available from department heads or research deans.

Commonwealth Campus faculty members should send their listings to the respective department head at University Park, with an informational copy to their Campus director and Commonwealth Campus dean.

Submissions should be in the department head's hands in sufficient time to reach the Office of the Vice President for Research and Graduate Studies by July 31.

The bibliography is printed in two publications: "Research Publications and Professional Activities" and "University Publications, Reports to Agencies, and Reviews." To be included are books, research papers and articles, substantive and/or final reports sent to State and federal agencies, informational material (articles and reports) printed in non-standard journals, and novels, short stories, musical compositions, exhibits of fine arts, reviews, inventions, patents and any other activity that meets recognized standards of excellence in its field.

From the Press

Senior Adult Theatre: The American Theatre Association Handbook. Roger Cornish and C. Robert Kase, Editors. 96 pages. \$8.95, cloth; \$5.95, paperback.

Concrete suggestions for starting and developing theatre experiences for all types of senior adults are presented in this volume by Dr. Roger Cornish, associate professor of theatre arts at Penn State, and co-editor C. Robert Kase. This handbook is designed to help three groups: professional theatre people who may become involved in projects for older persons; professional workers with the elderly who may want to recruit or work with theatre people; and senior adults who may want to encourage and enjoy a theatre project. In another sense, it is a descriptive catalog of ways to enrich life in retirement centers, nursing homes, and other settings for the elderly.

Dr. Cornish, also an associate of the University's Gerontology Institute, is the author of *Short Plays for the Long Living*. Support for his current book was provided by the American Theatre Association.

Matthew Lyon: "New Man" of the Democratic Revolution, 1749-1822. By Aline Austin. Foreword by Richard B. Morris. 208 pages. \$16.50.

Richard B. Morris, a professor at Columbia University, describes Dr. Austin's book in his foreword as a "fascinating" and "splendidly researched biography."

"As Dr. Austin persuasively portrays him," Professor Morris continues, "Lyon

Penn State Intercom

Senate passes recommendations on PS-23, University Libraries

Role of adviser, Council procedures spelled out

With the end of the academic year fast approaching, the University Faculty Senate took up eight legislative reports at its May 5 meeting and passed seven.

The lone item to meet defeat sought to shift responsibility for preparing fiscal impact statements on proposed legislation from the Committee on Academic and Physical Planning to the committees actually preparing legislation. A number of senators protested that valuable legislation might never leave committee if senators were inhibited by concerns about roasting.

Passed by the Senate were:

- A proposal from the Committee on Libraries recommending that the University Administration "give the University Libraries a higher priority in financial support in the coming years than has been the case during the decade just past."

- Five changes in academic policies and procedures in respect to advising. The role of the academic adviser is defined as "consultative in nature," and the responsibility for deciding on course scheduling and program planning is placed with the student.

- A recommendation that responsibility for certifying the academic eligibility of students for athletic grants-in-aid revert to the Committee on Academic and Athletic Standards.

- An alteration of the membership of the Committee on Committees and Rules to include 10 elected faculty senators (voting) and the chairman-elect and past-chairman of the Senate (non-voting). Previously, the secretary of the Senate had

(Both these stories continue on page 3.)

Calendar change offers chance for broad review

Speaking to the Senate on the topic of calendar conversion, President Oswald offered his " fervent hope " that the change will be viewed as a major opportunity for academic renewal.

Rather than being a merely mechanical shake-up of time periods and schedules, Penn State's colleges and academic departments have a chance " for broad review," Dr. Oswald said.

As curricula and courses come under scrutiny, faculty members can consider such matters as course prerequisites, the total units required for graduation, baccalaureate degree requirements, possible combinations of courses, removal of courses that may seem unnecessary, and the addition of courses where deemed appropriate.

Dr. Oswald also voiced his hope that the eight-week summer session would be organized to serve all segments of the public.

"I hope it can be set up," the President added, "so that its fees are independent of other fees in the institution and so that it can function as nearly as possible as a self-supporting activity."

The President concluded his remarks with a statement emphasizing to the colleges and academic departments at University Park "that it is absolutely critically important that the Commonwealth Campus faculty members participate fully from the outset in the calendar review process and ultimately in the converted calendar."

Dr. Oswald referred also to a letter which he had sent to Senate Chairman George Franz and which Dr. Franz had



At left, President Oswald and Dr. Flay. Right, Dr. Lewis.

Philosopher and geographer will receive Lindback awards May 30

Dr. Peirce F. Lewis, professor of geography, and Dr. Joseph C. Flay, associate professor of philosophy, will receive the 1981 Christian R. and Mary F. Lindback Awards for Distinguished Teaching.

President Oswald will present the awards, each of which includes a \$1,000 check and a plaque, at Spring Term commencement exercises on Saturday, May 30.

Words such as "enthusiasm," "imagination" and "verve" tend to be used repeatedly when Peirce Lewis's teaching is described by others. His zest for geography is apparent in all his writings — as witness this section from a laboratory instructor's manual he prepared for Geography 2.

"It is a law of nature that people like to do things that they do well, and if you can get your students to learn to read topographic maps easily, you may discover them falling in love with the things. If that happens, your labs will be an unalloyed pleasure — both for you and the students. It has been said that 'learning can be fun.' I would amend the statement; learning *must* be fun, or not much learning will occur."

A member of the faculty since 1958, Dr. Lewis consistently receives the highest possible student teaching evaluations. A colleague noted, "One of his biggest problems is shaking loose from the young people clustering around him after class."

Dr. Lewis's insistence on getting students to reason for themselves and his emphasis on written work are reflected in his course, *The American Scene, Geography 102*. The overriding goal of the course is to help students comprehend the landscape around them. To accomplish this, Dr. Lewis takes his classes on a field trip to Bellefonte and describes what he sees there. The students are then turned loose on a prescribed route through State College and required to write about what they have seen.

When it comes to writing up field reports, Dr. Lewis makes his expectations clear in his handouts:

"Content: High marks will go to papers which derive intelligent generalizations from accurate and appropriate factual information. Note the combination. Description by itself is usually quite dull. Generalizations without supporting evidence are just so much hot air. The combination of fact and generalization is

Many teachers are popular with their classes, but the real test of teaching excellence comes after students have been away from campus for a time and can better assess the value of their training.

Joseph Flay's former students are unstinting in their praise. One of them recalls:

"Joe Flay worked relentlessly in his own studies and on his class presentations. Class lectures appeared to his students to be chapters in a finished book — they were even footnoted. Serious questions in class brought forth thoughtful answers and, many times, a written response at a later class. He always respected questions or disagreements. He would get excited by well thought-out disagreements from students and encourage us to pursue our ideas further."

Dr. Flay's regard for students has been apparent ever since he joined the faculty as an instructor in 1963. Another former student, who is now a professor of philosophy himself, wrote:

"Professor Flay is a teacher. My criteria: He cares. Such care was amply demonstrated in the amount of time he spent discussing with us outside his classes. I first met Professor Flay in an 'outcasts' seminar on Hegel's *Philosophy of Right*, conducted in a student apartment. We had many such seminars. We sat in his lecture courses and learned, yes, for they were intense and demanding. But we spent hours talking with him outside those courses."

Active in the University Faculty Senate's revision of Baccalaureate Degree Requirements at Penn State, Dr. Flay has introduced new courses to the University's Liberal Arts offerings, among them a popular course in business ethics for students planning to pursue business careers.

He also played a key role in the redesign of the Department of Philosophy's undergraduate major, wrote a

Predicting toxic potential

Editor's Note: This article, in which a faculty member describes his on-going research, is one in a new series which INTERCOM will publish from time to time.

By Peter C. Jurs
Professor of Chemistry

While many chemicals are known to induce cancer in test animals and in man, slight variations in the exact chemical constitution of a compound can create large changes in its carcinogenic potential. We know, for example, that polycyclic aromatic hydrocarbons (PAH) found in

soot and tar are the active cancer-causing agents leading to chimney-sweepers' cancer — a form described as far back as 1775 by Sir Percival Pott. But not all polycyclic aromatic hydrocarbons induce cancer. The underlying mechanisms of cancer induction are extremely complex, and the study of relationships between the structures of compounds and their biological activity is a research area currently attracting widespread interest.

The members of my research group are pursuing a series of research projects focused on this area of structure-activity relations. As a part of our effort, we have developed a computer software system that provides us with all the tools needed to perform structure-activity relationship (SAR) studies. The types of problems we attack are usually posed as follows: Given a large set of compounds of known chemical structure which have previously been tested for carcinogenic activity, can we find a mathematical relationship based on their structures that separates the carcinogenic compounds from the non-carcinogenic compounds? In one typical study, we are working with a set of 300 polycyclic aromatic hydrocarbons (192 active carcinogens and 108 non-carcinogens) taken from the literature.

(Continued on page 4)



Penn Staters

Don N. Page, assistant professor of physics, was an invited speaker May 4 at a colloquium held at the Joint Center for Astrophysics in Harvard University's Physics Department. The colloquium was entitled "The Future of the Universe." Dr. Page's contribution to the colloquium, a review of research on the possible long-term future of the universe, consisted of two papers prepared by him and M. Randall McKee, a graduate student in the Department of Astronomy at the University. The papers were titled "Matter Annihilation in the Late Universe" and "Eternity Matters."

Dr. Deborah F. Hunter, assistant professor of speech communication at Delaware County, has been selected as a participant in the World Congress on Black Communication to be held this summer at the University of Nairobi, Kenya. She will present a paper, "A Critical Evaluation of Afrocentricity: from *Hama* ('moving from' in Swahili) to *Hamia* ('moving to')." She was invited to the conference, sponsored by Howard University and the University of Nairobi, on the basis of a competitive paper selection.

Roy C. Buck, professor of sociology and social science, presented a paper at the University of Edinburgh in connection with an international symposium on tourism research and development. "Explorations in Socio-Cultural Bifurcation: The Ecology of a Tourist Habitat" was the title of the paper, which drew on data from a Lancaster County tourism study carried out by Professor Buck.

Associate professor of mathematics Torrence D. Parsons conducted a combinatorics seminar in the mathematics department at the Massachusetts Institute of Technology April 21. Dr. Parsons' lecture for the seminar was entitled "Longest Cycles in r -Regular n -Connected Graphs."

Patricia A. Ward, associate professor of French and comparative literature, was recently named Humanities Editor of *The Christian Scholar's Review*. Now in its 11th year of publication, *CSR* is an interdisciplinary journal giving a theological perspective on the sciences and humanities.

Dr. Robert Ginsberg, professor of philosophy at Delaware County, has been named to the editorial board of the *Journal of Social Philosophy*.

Two University faculty members, Dr. Della M. Roy, professor of materials science, and Dr. Richard E. Tressler, associate professor and chairman of the Ceramic Science and Engineering Program, were among 20 new Fellows of the American Ceramic Society honored at the Society's 83rd annual meeting in Washington, D.C., this week.

William Bradley, associate professor of art, recently presented two research papers in Halifax, Nova Scotia. His lecture titles were: "Long Action as Gestural Integrity" and "Events and Works." Professor Bradley was invited to speak by the Nova Scotia College of Art and Design.

Dr. Joseph Jordan, professor of chemistry, was an invited speaker May 6 at the University of Delaware where he presented a talk entitled "Electrochemical Modeling of Biological Systems."

Bookshelf

Dr. Stanley Weintraub, research professor of English and director of the Institute for the Arts and Humanistic Studies, is co-editor of a new book, *Heartbreak House: A Facsimile of the Revised Typescript*, published by Garland Publishing Company of New York.

With Dr. Anne Wright, head of humanities at the Hatfield Polytechnic (the

college geographically closest to Shaw's home at Ayot St. Lawrence in Hertfordshire), Dr. Weintraub has published for the first time the much revised typescript of Shaw's *Heartbreak House*. It was the play Shaw considered his best, but the manuscript is presumed destroyed; and the revised text itself was turned lost after Shaw's death until it came up among his solicitor's papers in 1977 and was eventually purchased for the nation at auction.

Dr. Weintraub was asked by the Shaw Estate to put it into shape for publication, and write an introduction to the manuscript. He enlisted Dr. Wright, an English Shaw scholar, as co-editor, and she utilized infra-red and ultra-violet examination of the paste-overs to determine what appeared underneath.

The volume is first in what will be a series of facsimile publications of surviving Shaw play manuscripts.

Partings



Prof. Bartlett

Mr. Packer

Howard D. Bartlett, a member of the faculty since 1956, retired May 1 as professor emeritus of agricultural engineering.

Professor Bartlett, who taught courses dealing with farm building construction and environmental control, supervised 48 graduate students. His primary research interests were related to poultry house ventilation, mechanical feeding of sows and grain, liquid manure injection into soil, and energy recovery from animal wastes. Within the past five years, Professor Bartlett chaired program review committees in the Colleges of Agriculture and Engineering. He was acting head of his department during 1975-76.

Before coming to Penn State in 1956, Professor Bartlett served at the University of Maine as a research project leader. He holds three degrees from the University of Maine — undergraduate degrees in both agricultural engineering and civil engineering, and a master's degree in agricultural engineering.

There are 295 washing machines and 261 dryers on campus, and W. Clark Packer is acquainted with all of them.

Mr. Packer, maintenance supervisor in Housing and Food Services, retired May 1 after working for the University since 1946. For the better part of his tenure, he was in charge of overseeing maintenance of the University's washers, dryers and the some 18 ticket machines that turn coins into the tickets needed to operate the laundry equipment.

He began his University employment as an oil burner mechanic in the Wincrest Trailer Camp (housing for married GIs located near land occupied today by Pollock Dining Hall). He assumed his last position in 1951.

Mr. Packer's wife, Inez, is a chef at Phi Delta Theta fraternity house, and four of the couple's six children have Penn State affiliations: James R. is a junior at University Park; William C. Jr. attended the University; and Mary Jane Park (a teacher at Snowshoe Elementary School) and Jo Ellen (in the nursing profession in Pittsburgh) are graduates. Beryl Jean, meanwhile, is completing her Ph.D. at Ohio State and Dolly Bassett has finished law school in Atlanta. In addition, Mr. Packer's sister-in-law, Arlene Packer, is a secretary in the College of Human Development.

Blaine L. Johnson, building inspector in the Office of Physical Plant, retired May 1 after working for the University for almost 35 years.

Mr. Johnson, whose duties had included serving as an electrical building inspector for new construction and renovations, began his Penn State tenure in 1946 as an electrician. After serving in that capacity for nearly 17 years, he was a draftsman for an additional 10 years before becoming an inspector.

In retirement, he plans to continue to do work in the electrical field. He also plans to attend more auctions and local sales, at which he searches for antiques that he repairs and refinishes at his Boalsburg residence.

Although Mr. Johnson's wife, Wanda, does not happen to have a direct affiliation with the University (she works at Sears), all three of the couple's children are Penn Staters. Rene Libera is a 1973 graduate working at the Centre Daily Times in computer systems; oldest son Lee is a 1980 graduate working for Union Carbide in New York State, and Chester is a junior at University Park.

Frances S. Wilkins, food preparer in Housing and Food Services, retired April 28 after being employed by the University since 1956.

"Some of my most vivid memories are of being caught short of cooks because of heavy snows," Mrs. Wilkins recalls, adding that those days "could be really hectic." She observes that during the past 10 years, however, "hctic" days became less so because more food is centrally prepared, relieving food preparers in the individual dining halls of such routine tasks as cleaning vegetables.

Mrs. Wilkins began her Penn State tenure as a counterwoman, being promoted to a food preparer in the early 1960s. She has worked in several University dining halls, most recently in Waring.

Her son, Steve, is employed by the University as a food production worker in the Nittany Lion Inn, where Mrs. Wilkins says he is busy with the spring banquet schedule.

Of her retirement plans, Mrs. Wilkins says she is looking forward to a trip to California and to working in her garden.

John C. Simpson, supervisor of the Centralized Copy Centers for the Office of Business Services, left the University on March 18. He was employed at Penn State in 1968-69 and again from March 26, 1970, until his departure.

Obituaries

Francis Janney Doan, professor emeritus of dairy science, died May 8. He was 84.

Professor Doan, who received his bachelor's and master's degrees from Penn State, was a member of the University faculty from 1925 until his retirement in 1962.

During his 37-year tenure, Professor Doan focused his research on various phases of milk and dairy processing, including analysis, nutritive value and keeping quality. He authored or co-authored some 65 research bulletins and scientific papers and for six years was a member of the committee on milk of the National Research Council.

Professor Doan also served 12 years on the editorial board of the *Journal of Dairy Science*, three years as a board member of the American Dairy Association's executive board and three years as a member of its journal management committee. In 1949, he received the Borden Award for research in dairy manufacturing.

J. Ralph Beard, associate extension agent at the Luzerne County Agricultural Extension Office, died May 4. A University employee for more than 23 years, he was 57 years old.

Clarence E. Auman, a residence hall maintenance worker with Housing and Food Services from 1951 to 1976, died May 3 at the age of 67.

Calendar report

Editor's note: This is the first article of a regular series in which the *Calendar Conversion Council* will report on its activities to the University community.

The Calendar Conversion Council met three times in April. The membership of the Council has changed somewhat in that Duane Smith, associate provost and dean, Capital Campus, and Dick Sheeder, Office of Planning and Budget, have been added to the Council membership. Chris Hopwood, new president, Undergraduate Academic Assembly, has replaced outgoing president Ted Szklenski.

An early discussion item with the Council was the need to keep the University community informed of what the Council is doing. The Council will keep in communication with the University community by regular publication of information in *INTERCOM*, by regular discussion with Daily Collegian reporters, and, as necessary, by direct communication with the University community through inter-departmental mail. In addition, Council members are willing to discuss the calendar conversion on request with Colleges or Campuses.

The Council has issued two mailings. One explained that the standard instructional day will include eight 55-minute periods with a 15-minute interval at University Park and whatever is necessary at other Campuses. That memorandum also emphasized the importance of careful review and revision of academic programs and called particular attention to the need to involve the Commonwealth Campus faculty in that review as well as recognizing the interlocking of academic programs. The other communication advised the University that Calendar Council headquarters have been established in Room 304 Old Main (telephone 865-0491).

The Council has reviewed a preliminary report from its summer session committee but has not yet agreed on any recommendations to send forward. The Council has also considered options on a class schedule for University Park and has deferred that question to further study by a subcommittee including representatives from the Scheduling Office. There has been some discussion of needed analytical studies in such areas as room use, instructional load, summer enrollment patterns and the like. A very preliminary schedule of the variety of actions which must occur before August 1983 has been reviewed and is currently being revised in greater detail.

The Council has recently launched a preliminary effort at program review and revision at the departmental level. The details of the process have been communicated via a mailing to the academic officers at all levels of the University, and the necessary forms are available at the Colleges and other appropriate locations.

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Calendar

May 14-23

Special Events

Thursday, May 14
 Sports: lacrosse (women), AIAW National Championships, through May 16.
 HUB Craft Center, exhibition and sale, 11 a.m.-4 p.m., Kern Lobby. Also May 15.
 STS/TCO luncheon, noon, talk, 12:30 p.m., Room 101 Kern, Philip Klass, English, on "Literature and Technology."
 Interdisciplinary public lectures: Thomas F. Pettigrew, Univ. of California/Santa Cruz, on "Sociology and Social Policy: Science vs. Reform," 3:30 p.m., Room 124 Sparks; and on "New Patterns of Racism," 8 p.m., HUB North Lounge.
 Cinemascope, *The Touchables*, 7 p.m.; *God Told Me To*, 9 p.m., HUB Assembly Hall.
 Also May 16.
 URTC, *The Crucifer of Blood*, 8 p.m., The Playhouse.
Friday, May 15
 Music in Interesting Times, 2:20 p.m., Music Bldg. Recital Hall. Douglas Miller, music, on "Who Says We Can't?" FSU Students and New Music."
 Dept. of Philosophy, Annual Heidegger Conference, 9 p.m., Room 402 Keller Bldg. Information, 865-6397. Also May 16 & 17.
 Sports: track (men), Penn State Open, 3 p.m., Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker. Craig Humphrey, sociology and American studies, on "The Promotion of Growth and Its Impact on the Pennsylvania Small Town."
 Commonsplace Theatre, *Har,* and 9 p.m., Room 112 Kern. Also May 17.
 URTC, *The Crucifer of Blood*, 8 p.m., The Playhouse.
 Bob Hutsko, trumpet, and Trina Baker, bassoon, 8:30 p.m., Music Bldg. Recital Hall.
Saturday, May 16
 Sports: track (women), Penn State Open; golf (men), Alumni Tournament, 10 a.m.
 France-Cinema, Bunuel, *Diary of a Chambermaid*, 7 and 9 p.m., Room 112 Kern. Also May 18.
 URTC, *The Crucifer of Blood*, 8 p.m., The Playhouse.
 School of Music, Alumnae Recital, 8:30 p.m., Music Bldg. Recital Hall.
Sunday, May 17
 Dept. of Philosophy, "Tribute to the Philosophy of John M. Anderson, Evan Pugh Professor Emeritus of Philosophy," Sessions at 2:30 and 7:30 p.m., Room 124 Sparks.
Monday, May 18
 Commons place, "Sounds of Silence," noon, Room 112 Kern.
 Music in Interesting Times, 2:20 p.m., Music Bldg. Recital Hall. The Nova Consort, "Very Old Music in Interesting Times."
 Penn State Rain White Band, 7 p.m., Fisher Plaza, Room May 19.



The women's lacrosse team begins defense of its national title here today.

Color Slide Club meeting, 7:30 p.m., Room 189 MKL.
 Karen Scott, soprano, and Philip Dettra, piano, 8:30 p.m., Music Bldg. Recital Hall.
Tuesday, May 19
 Early registration for Summer Term, 8:30 a.m.-4:30 p.m., Room 112 Shields, through May 22. Also May 25.
Wednesday, May 20
 Last day to sign Spring Term Emergency Loans, Room 108 Shields.
 Commons Concert, Nova Consort, noon, Kern Lobby.
 Campus Colleagues, social, 4-6 p.m., Fireside Lounge, Nittany Lion Inn.
 Student Consultants' Concert, 8:30 p.m., Music Bldg. Recital Hall.
 Spring Term classes end, 9:55 a.m.
Thursday, May 21
 Final examinations. Also May 22, 23 & 25.
Saturday, May 23
 Shaver's Creek Nature Center, Paul Risk on "Folklore and Uses of Medicinal and Edible Wild Plants," 2 p.m., Stone Valley.

Seminars

Thursday, May 14
 Chemistry, Bruce Berne, Columbia Univ., on "Solvent Effects on Dynamics of Molecular Isomerization," 12:45 p.m., Room 333 Whitmore.
 Bioengineering, K. Kirk Shung, bioengineering, on "Ultrasonic Absorption Properties of Deer Blood," 4 p.m., Room 210 Hammond (new listing).

He has presented numerous invited lectures and seminars in his area of specialization — the American landscape, its origins, morphology and symbolism.

Dr. Play

(Continued from page 1)
 correspondence study guide and has been cited on many occasions for his service as an adviser to undergraduate students. He teaches special honors course sections for academically gifted students in the Penn State Scholars Program. Dr. Play also has been active in the University's Educational Opportunity Program.
 Through his involvement in the Department of Labor Studies' summer Steelworkers Institute, he has designed courses for and taught members of labor unions. He was a recipient of the Class of 1933 Award for Excellence in the Humanities at Penn State.
 Following a brief career as a violinist and service in the Air Force, Dr. Play came to Penn State as a 25-year-old freshman in the 1950s. He earned a B.A. in philosophy and later went on to the University of Southern California, where he earned his Ph.D. in philosophy.

Dr. Lewis

(Continued from page 1)
 essential to most good non-fiction writing — and to the good thing that I will ask you to do...
 "English: I am passionately in love with our mother tongue, and I have no patience with those who abuse it. Be warned. Careful attention to formal English will pay handsome dividends. Bad or careless writing will be heavily penalized."
 Professor Lewis earned his B.A. at Albion College and his M.A. and Ph.D. at the University of Michigan. Recently elected a National Councilor of the Association of American Geographers, he received that organization's national honors awards in 1977 "for truly perceptive and eloquent studies of the evolving human scene in North America, for creative scholarship, advocacy and teaching that have so greatly increased our sensitivity to the ways in which habitat, history, society and culture have interacted to make the fascinating ever-changing landscape."
 Dr. Lewis has been a visiting professor at the University of California at Berkeley and at Concordia University in Montreal.

Friday, May 15
 Mathematics, Gian Carlo Roto, MIT, on "Classical Invariant Theory Today," 2:20 p.m., Room 349 Villard.
 MC3B, Prasad Sunkara, Merrell-Dow Pharmaceutical, on "Characterization of Chromosome Condensation Factors of Mammalian Cells," 2:30 p.m., Room 101 Althouse.
Monday, May 18
 Nutrition, Gerald McClearn, assoc. dean for research and graduate studies, College of Human Development, on "Genetics as a Tool in Nutrition Research," 3:35 p.m., Room 223 Henderson.
 MC3B J. David Puett, Vanderbilt Univ., on "Gonadotropins: Considerations of Structure and Mechanism," 4 p.m., Room 101 Althouse.
Tuesday, May 19
 MC3B J. David Puett, Vanderbilt Univ., on "Interaction of Opiate Peptides with Membranes and Cells," 11 a.m., Room 101 Althouse.
 Metallurgy, V. Vittek, Univ. of Pennsylvania, on "Grain Boundaries," 11 a.m., Room 301 Steidle.
 Physics, special colloquium in honor of Ernst Bleuler, Ferdinand G. Brückwiede, Evan Pugh research professor emeritus, on "Reminiscences on the 50th Anniversary of the Discovery of Deuterium," 2:20 p.m., Room 117 Osmond.
 Chemical Engineering, William N. Gill, Iowa State Univ., on "Rapid Solidification of Metals," 3:45 p.m., Room 140 Fenske.
 Plant Pathology, Ted Kaufman, grad. student, on "An Incredible Edible from the Orient: Shitake," 3:55 p.m., Room 213 Buckhout.
 Ag. Economics and Rural Sociology/Sociology/Community Development, Robin M. Williams, Jr., Cornell Univ., on "The American People in the 1980s," 8 p.m., Room 112 Kern.

Exhibits

Chambers Gallery: Alice Waagen, weavings and three-dimensional structures, through May 20.
HUB Gallery: Yachad Exhibit, through May 20, Ari Alley.
Kern Gallery: Martha Hall, ceramics and photographs, through May 22. Bill Riesser, leather, through May 23. Robert Graves, prints.
Museum of Art: Selected works from the collections of Mimi and Sanford Feld and Samuel Gailu, through May 24. Selections from the Museum's American collection. Photographs from the Museum's collection. Twentieth century works from the Museum's collection, opens May 23.
Pattee Library: "Igittur's House: An Architectural Study," End Corridor Gallery. Karen Simonatic, recent paintings. Lending Services Lobby, Becky Mataraz, glass, Main Lobby, Martha Carothers, "The Design and Production of Children's Novelty Books," Rare Books Room.
Visual Arts Zoller Gallery: Undergraduate Exhibition, through May 22.

Senate

(Continued from page 1)
 served on the committee instead of the past chairman.
 — An agreement that the BDR III Standing Subcommittee have the authority to add and delete courses on the BDR III lists in the advanced learning skills and health sciences/physical education areas.
 — Procedures for Senate Council to follow in making recommendations to the Provost on the establishment, reorganization and discontinuation of organizational units and areas.
 — Modifications to two areas of PS-23, as proposed by the Committee on Faculty Affairs. Senate action will be recommended to the President.
 The first recommendation is intended to make clear that the college and University promotion and tenure review committees should make both substantive and procedural reviews in considering cases.
 The second action recommends the addition of a statement establishing "a mission framework for the fundamental tenure criteria." This statement says: "The raison d'être of the University is the discovery, synthesis, transmission and application of knowledge. In light of these several goals, research, teaching, scholarship and service are the central criteria for the evaluation of faculty."

Calendar

(Continued from page 3)
 read to the Senate earlier. In discussing the newly created Calendar Conversion Council, Dr. Oswald wrote:
 "I wish to be clearly understood, however, that the appointment of the Calendar Conversion Council is not intended to vest in that Council the responsibility for academic matters as now vested in the Faculty Senate. It is clear that the Calendar Conversion Council must work closely with the Senate and its committees in seeking modifications to Senate policy as a result of the calendar change. The Calendar Conversion Council includes a current Senate officer, two current Chairmen of major Senate committees, and the most immediate past Chairman of still another major Senate committee. This representation was planned to assure that the academic perspective of the University Faculty Senate was brought to bear to the fullest extent possible in the Calendar Conversion Council."
 Senators heard also from Dr. Kenneth P. Mortimer, director of the Center for the Study of Higher Education, who presented a forensic session on "Collective Bargaining: The National Scene."
 Dr. Mortimer noted that while the number of faculty unions had increased significantly during the past decade, none of the major research universities belonging to the Association of American Universities (AAU) had yet elected a faculty union.
 He pointed out that this situation could change when and if Berkeley and UCLA next hold elections. The vote last year against establishing bargaining units at Berkeley (53 percent) and UCLA (51 percent) was so close that the union is expected to try again in 1982.
 Dr. Mortimer also described the impact in the private sector of the decision last year that established the role of faculty at Yeshiva University as managerial. Based on this decision, more than 25 institutions are now refusing to bargain or have slowed down negotiations with their faculties.
 He also described a decision at the University of Minnesota, excluding the Duluth Campus from the system-wide Senate after Duluth accepted a union. Minnesota administrators held that they could not deal with more than one agent of the faculty at a time.
 The last speaker to address the Senate, Charles Lupton, executive director of the Office of Gifts and Endowments, described Penn State's fund raising efforts.

Information deadline set for Summer Term calendar

Information to be listed in the Summer Term calendar, which will appear in the June 11 issue of INTERCOM, should be in the hands of the calendar editor by May 20. Material can be sent to Room 312 Old Main, 865-2501.

Phi Beta Kappa initiation tonight

University Provost Edward D. Eddy will deliver this year's Phi Beta Kappa address at the annual Lambda Chapter banquet and initiation ceremony tonight (Thursday) at the Penn State Sheraton. Dr. Eddy's topic will be "The Necessities of an Academic Community." Philip A. Klein, president of Lambda Chapter, will preside.
 Officers recently elected for the 1981-82 academic year are Alfred Triolo, president; Martha Koln and Roland Goad, co-secretaries; M.T. Pigott, treasurer; Catherine Carter, historian; and Donald Dickason and William Riesser, executive committee members-at-large.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff non-exempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 863-1367 (work line 475-1367). Applications for these staff vacancies will be accepted until 5 p.m., May 21, 1981. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

BUSINESS MANAGER, MONT ALTO CAMPUS. Responsible to the Campus Director for the control and supervision of business services and operations at Mont Alto Campus, including the maintenance of buildings and grounds, coordinating of Personnel Administration matters and programs. Physical Plant activities and housing and food service needs, operation of certain auxiliary enterprises, safety and security, student accounts and accounts receivables; operation of the Word Processing Center, parking program, Campus mail and telephone services. Bachelor's degree (or equivalent) in business administration or equivalent organized study or training, plus four to five years of effective experience in buildings and grounds maintenance, purchasing, personnel, etc., with a supervisory background.

SCANNING ELECTRON MICROSCOPY TECHNICIAN, COLLEGE OF AGRICULTURE, University Park. Responsible to the Head, Department of Food Science, and to the Electron Microscope for operation of and preparation of samples for scanning electron microscope, and for other related laboratory activities. Prepare specimens of biological material for scanning electron microscopy, including critical point drying and sputter coating. Perform minor maintenance on scanning electron microscope and support equipment. Take pictures of images with camera, assist with other photographic work related to microscopy. Assist with the operation of and preparation of samples for transmission electron microscope and light microscopes. Bachelor's degree or equivalent in one of the life sciences and from six to twelve months of effective experience. Electron microscopy course work or experience desirable.

NON-BOOK AND PROMOTIONS SPECIALIST, PENN STATE BOOKSTORE, University Park. Supervise the non-book staff supply assistants at University Park, monitor and evaluate purchasing methods. Seek new product lines, develop sales of these products and assign product inventory responsibility to assistants. Develop and manage new non-book departments, as they are created. Schedule, supervise and train clerical staff personnel in new non-book areas in product knowledge and customer relations. Be responsible for the display and merchandising aspects of non-book merchandise. Bachelor's degree (or equivalent) in marketing, plus one to two years of effective experience in marketing or retailing and supervisory experience required. Understanding of photography sales preferred.

CHEMICAL SPECTROSCOPY AIDE, COLLEGE OF SCIENCE, University Park. Position involves the operation of mass spectrometers and associated equipment (gas chromatographs and minicomputers) of the Chemistry Department's mass spectrometry facility under the direction of the facility director. The major responsibility will be the operation of mass spectrometers and organic and organometallic compounds submitted to the facility. The job also involves assistance in repairing, maintaining or improving existing equipment and interaction with faculty members and graduate students concerning scheduling, training, procedures, and data interpretation. Should have bachelor's degree (or equivalent) in chemistry or related field, plus six to nine months of effective experience, or equivalent's degree (or equivalent) in chemistry or related field, plus one to two years of effective experience. An aptitude for maintenance of mechanical devices and a knowledge of basic computer systems is highly desirable.

SENIOR STAFF TECHNOLOGIST, COLLEGE OF MEDICINE, HERSHEY. Responsible to Chief Technologist, Medical Director, and/or Manager, Clinical Laboratories for the supervision and operation of a designated section. Maintain availability of patient support services. Assist in determining which procedures are most scientifically accurate and feasible in time, cost, and quality. Responsible for writing laboratory manuals, test operating procedures, and internal section administrative operating procedures. Insure that work is done in accordance with established methods and procedures and quality control. Perform the more difficult and complex procedures requiring extensive technical training and assist routine work as required. Bachelor's degree in Medical Technology MT (ASCP) or equivalency, plus a minimum of three to four years' effective experience.

ASSISTANT ACCOUNTANT, CONTROLLER'S OFFICE, University Park. Responsible to the Director of Accounting Operations for the processing of a wide variety of duties, working toward the overall goal of obtaining well rounded accounting experience in all areas within the Office of the Controller. Bachelor's degree or equivalent, preferably in accounting or related field, and nine to twelve months of effective experience.

Computer requests require planning

Editor's note: The University Computer and Information Systems Planning Committee has prepared the following release to assist persons wishing to lease or purchase computational equipment.

As the end of the fiscal year approaches, requests for purchases or lease of computational equipment increase. To avoid delays in review of such requests, follow the AD-4 policy entitled "Planning, Coordination, and Acquisition of Information and Computation Systems."

Approved January 1981, the revised policy sets forth the review process required for "planning and coordinating the acquisition of equipment vital to the growth of the University's information processing capabilities." Included in these information systems are: "academic computing, administrative data processing, data administration, library computing, distributed data processing, data communications and word processing. Word processing systems include magnetic card typewriters and computer-based text handling equipment, but exclude dictation equipment, conventional typewriters, and office copiers."

Recent experience reveals two main problems, of which one is review time. Allow three to five weeks for review of major equipment requests, in addition to time taken by the Department of Purchases.

The second problem is lack of full information accompanying review requests. Please supply it through Information and Computation Equipment

Request (Form G22.3) and send it to Accounting Operations with a completed Purchase Order form signed by the budget administrator and budget executive.

AD-4 implements a stratified review process, according to Charles Blunt, coordinator of Information and Administrative Services. This unit, together with the Subcommittee on Academic Computing (part of the University Computer and Information Systems Planning Committee [UCISP]) reviews technically all major requests for expanding or upgrading the University's information and computation systems.

Major requests are those in which equipment costs more than \$20,000 or leases annually for more than \$5,000. The Subcommittee on Academic Computing will review these and send a recommendation to the UCISP committee. The President's approval may be required.

Acquisitions that cost between \$500 and \$20,000 (leasing between \$500 and \$5,000) will be approved or disapproved by the Subcommittee on Academic Computing. Equipment that costs or leases for less may be approved by Purchasing without review.

"The intent of AD-4 is not to limit or restrain computing," says Mr. Blunt, "but to avoid unnecessary duplication, guarantee compatibility wherever possible, and help us plan for orderly growth in both academic computing and administrative data processing." Mr. Blunt maintains a Penn State equipment inventory and subscribes to *Datapro* reports on minicomputers and word

processing equipment. Also available is the 1980-81 *International Directory of Software*, from which users can determine if software can be purchased or leased more reasonably than developed in-house. "We welcome use of these resources," says Mr. Blunt. "It's difficult to choose from so many sources in such a rapidly changing field."

Other AD-4 policies state that: — University approval for equipment purchased with external funds must be obtained before contracts can be negotiated by the University.

— Computer equipment integral with scanning electron microscopes and other such equipment need not be reviewed by the Subcommittee on Academic Computing. But stand-alone equipment is reviewed.

— Expendable items such as floppy discs and magnetic tapes and equipment under \$500 in price are excluded from this policy. — AD-4 policies do not supplant review requirements of the requesting department's administrative unit or those of the Department of Purchasing Services.

The review process is intended to ensure that the proposed needs will be met, that unnecessary duplication is avoided, that required software will be available, that compatibility between appropriate systems is considered, and that maintenance, telecommunications, and operating costs have been estimated.

"The latter costs can be considerable," reminds Mr. Blunt, "and should be estimated together with first-year expenses of installation and personnel training."

Computation Center to offer three workshops

Registrations for three workshops to be offered by the Computation Center during the Spring/Summer term break are being accepted by Darlene Rhoads in Room 229 Computer Building. A charge of \$5 (cash, check, or inter-departmental transfer) is payable at registration.

All sessions will be held in Room 108 Forum Building. Morning lectures will begin at 9 a.m. and afternoon sessions at 1:30 p.m. The workshops are:

1) INTERACT Techniques

These sessions will be presented on the mornings of May 26-28. This is not an introductory workshop, but rather is designed to illustrate some advanced techniques on the assumption attendees have had some prior experience with INTERACT fundamentals. Topics will include data sets and job control, EXEC files, and multiple active files.

2) SCRIPT

The sessions on "SCRIPT: A Text Formatter" will be presented on the

afternoons of May 26-28. This workshop will cover briefly fundamentals of the SCRIPT language and then illustrate effective methods to solve common problems encountered during the publication process. Although prior knowledge of an on-line editor such as RJE or INTERACT would be helpful, it is not required for this workshop.

3) Introduction to APL

These sessions will be held on the morning of Monday through Friday, June 1-5.

The computer language APL is quite different than traditional computer languages such as FORTRAN, COBOL, etc. At least partly for that reason, opinions about it within the computer industry are often polarized, i.e., people tend to like it very much or they dislike it very much.

APL is a highly interactive language

and can be used only from a typewriter terminal. Many claims have been made that it greatly increases programming productivity. For example, APL programs usually have only about 1/10 (or fewer) as many statements as an equivalent program in another language. On the other hand, it uses a different character set which employs special symbols, and there are those who feel an APL program is more difficult to read than one written in a traditional language.

Learning APL requires no previous computer experience. Furthermore, as with natural languages, a large arsenal of idioms has been developed which can be used with only a little knowledge and experience.

Prospective attendees should have the use of a research or course preparation account, together with INTERACT and/or APL user identification (may be obtained in Room 229 Computer Building).

'Structure-activity' link studied in cancer probe

(Continued from page 1)

In order to work on this type of structure-activity problem, we have had to develop a set of suitable methods. First, we enter the structures, one at a time, into our computer system by sketching them on a computer graphics screen, thereby developing a realistic three-dimensional model for each compound. Then, each of the compounds is represented by a set of molecular structure descriptors, whose values we calculate directly from the computer-stored representations of the structures. Finally, we analyze the set of compounds — each represented by a set of descriptors — to determine whether sufficient information is embodied in the descriptors to separate the carcinogens from the non-carcinogens. While we use some statistical approaches for the analysis phase, we more often employ pattern recognition techniques, which are related to artificial intelligence methods used

widely in many scientific areas.

Because of the enormous quantities of information that must be handled and the complexity of the mathematical computations, all of these studies are made using computer software. We have developed a large set of programs to allow us to accomplish these tasks conveniently.

In addition to our work on the polycyclic aromatic compounds (occurring, for example, in polluted air and engine exhausts), the graduate students and postdoctoral students in my research group are studying N-nitroso compounds (found in bacon and other food containing preservatives). Aromatic amines are also being investigated; these compounds occur in pigments and various industrial environments. In each study, our goal is to develop a set of molecular structure descriptors powerful and complete enough to allow us to generate a method to separate carcinogenic compounds from

the non-carcinogenic ones.

The potential significance of this research lies in the ability to achieve predictive ability; that is, we would like to develop methods that could be used to predict the toxic potential of compounds in advance of or in addition to testing. The ability to predict toxicity of compounds could streamline toxicology in chemical and pharmaceutical companies, leading to increased efficiency and lower costs.

We already have published a number of studies reporting successes in test cases, where we have been able to develop methods for the separation of carcinogens from non-carcinogens and show that the predictive ability would be high. The current emphasis of our research is on the development of ever better molecular structure descriptors and the application of the computer software system to an expanding number of interesting structure-activity problems.

'It's almost like graduating all over again,' Palladino says



Dean Palladino

Last March, Engineering Dean Nunzio J. Palladino was reading one of the nuclear industry trade papers and came upon an article speculating on whom the Reagan administration would choose to head the Nuclear Regulatory Commission.

"The article said," Dean Palladino recalls, "that anyone who hadn't been called by now shouldn't wait by the telephone because all the people being considered seriously had been contacted."

Dean Palladino had actually been contacted on Jan. 9, but he had heard nothing since. "That night I told my wife this was probably the end of the matter," he says. "The very next morning I received a call asking me to come down to Washington on March 20."

He had made a total of five trips before being called on Friday, May 15, and

officially offered the job -- contingent upon his confirmation by the United States Senate.

"It's strange how the excitement builds up," Dean Palladino notes. "I think the biggest decision was whether or not I should let my name be considered. After my first trip to Washington in March, I tried to be very quiet about the possibility since other people were being considered. Then one of our nuclear engineering students went out to the West Coast for a job interview, and the people out there asked him if he knew me and told him I was going to become head of NRC."

Currently surrounded by packing cases as he reads his office for his successor, Dr. Wilbur Meier Jr., Dean Palladino had already planned to step down as dean on July 1 and become a University Professor.

Now, if he is confirmed, he will retire officially.

"It's almost like graduating all over again and starting a new job," he says, adding that he and his wife, Virginia, will keep their home in State College and probably rent an apartment in Washington.

Since he must still be confirmed by the Senate, Dean Palladino is not ready to discuss any policies he might implement as NRC chairman, but based on his many years of experience in the field of nuclear energy, he identifies two problems as needing prompt attention: 1) implementing the licensing process and 2) reaching decisions about what the safety requirements for the industry should be.

About 11 plants are approaching

(Continued on page 6)

May 21, 1981 Volume 10, Number 34

Penn State Intercom



Mel Tillis and Joffrey II dancers are part of Nittany Mountain Summer



Theatre, dance, country-western music offered by Summer Festival

What do country-western music, classical ballet, haute couture, musical comedy and juggling and strumming have in common? They're all part of this year's Nittany Mountain Summer Festival, an annual Penn State program that combines theatre, music and visual arts offerings in a wide array of public events.

The Summer Festival, in its 24th consecutive season of professional theatre, will offer four productions this summer. The season opens in the Pavilion Theatre on June 25 with *Born Yesterday*, the Garson Kanin comedy that spoofs big time politics and corruption in Washington.

The musical comedy, *Once Upon a Mattress*, an alternative view of the fairy tale of the princess and the pea, opens July 10 in the Playhouse Theatre. On *Golden Road*, a recent Broadway comedy, comes to the Pavilion on July 23. *Grease*, the musical parody of high school life in the 1950s, completes the season, opening July 26 in the Playhouse.

Musical comedy is also the theme of "A Party with Betty Comden and Adolph Green," the first of the special events in the Eisenhower Auditorium for Nittany Mountain Summer Festival. Miss Comden and Mr. Green are the creators of many Broadway and motion

picture successes, including *Wonderful Town*, *Singin' in the Rain*, and *On the 20th Century*. Their performance is scheduled for June 27.

Other Eisenhower events are performances by bluegrass singer, instrumentalist and composer John Hartford on July 10; The New American Ragtime Ensemble July 11; the Joffrey II Dancers, a classical ballet company, on July 17 and 18; and country-western star Mel Tillis on July 25.

Haute couture comes to the Museum of Art in celebration of Nittany Mountain Summer in a show entitled "Hemline, Neckline, Streamline: Women's Fashions 1890-1940 from the Collection of Beverly Birks." Dates are June 28-Sept. 13.

The Central Pennsylvania Festival of the Arts Juried Crafts Show will open at the Museum on July 5 and continue through Aug. 16. Also on exhibition for the Festival will be drawings, prints, 20th century works and African sculpture from the Museum's permanent collection.

Mail orders are now being taken for both Festival Theatre and Eisenhower Auditorium events. Information and tickets may be obtained by phoning the Theatre at 865-1884 or the Auditorium at 863-0255.

Paul Berg will give commencement address May 30 at Beaver Stadium

Faculty members at University Park are invited to participate in the Saturday, May 30, Spring Commencement exercises, at which Dr. Paul Berg will deliver an address.

Dr. Berg, who shared the 1980 Nobel Prize in chemistry, is a 1948 graduate of Penn State. Willson professor of biochemistry at Stanford University's Medical School, he was honored for his research which opened up the field of genetic engineering.

Faculty members should assemble in academic regalia at 10:15 a.m. in the Home Team Locker Room area at Beaver Stadium for the formal academic procession. Reserved seating will be provided on the field.

The ceremony, at which more than 4,000 graduates are expected to receive their degrees, will begin at 10:30 a.m.

In case of rain, three commencement exercises will be held in the morning at 10:30, and two ceremonies in the afternoon at 2.

In the morning, the Colleges of Arts and Architecture, Earth and Mineral Sciences, Education, Human Development and Science will attend ceremonies in Recreation Building. Eisenhower Auditorium will house the College of Engineering and Schwab Auditorium, the Graduate School.

In the afternoon, students from Agriculture, Business Administration, and Health, Physical Education and Recreation will graduate in Recreation Building. Those from Liberal Arts, Bachelor of Philosophy candidates, and students earning associate degrees from all colleges will go to Eisenhower Auditorium.

A total of 20 commencement exercises are being held this spring at Penn State campuses. The schedule follows:

Altoona, May 30, 10 a.m., Adler Physical Education Complex. Speaker: William W. Scranton III, Pennsylvania's lieutenant governor.

Beaver, May 29, 7 p.m., Broadhead Cultural Center.

Behrend College, May 30, 10 a.m., Erie Hall. Speaker: Douglas Edwards, CBS News correspondent.

Berks, May 30, 10:30 a.m., Community Center. Speaker: Karen Miller, mayor of Reading, Pa.



Dr. Berg

Capitol, June 13, 11 a.m., Founder's Hall in Hershey. Speaker: Provost Edward D. Eddy.

Delaware County, May 28, 7 p.m., Library Learning Center. Speaker: Dr. Robert E. Dunham, vice president for undergraduate studies.

DuBois, May 29, 2 p.m., Multi-Purpose Building. Speaker: Dr. James M. Beattie, dean of the College of Agriculture.

Fayette, May 30, 10:30 a.m., Study Learning Center. Speaker: Mary Murphey, Fayette student.

Hazleton, May 28, 7 p.m., outside of Administration Building (train site). Physical Education Building. Speaker: John Y. Yamulla, president Hazleton's Advisory Board.

Milton S. Hershey College of Medicine, May 23, 10 a.m., Founder's Hall. Speaker: Dr. Mary Ellen Avery, Thomas Morgan Roth Professor of Pediatrics at Harvard University Medical School and physician-in-chief of Children's Hospital Medical Center in Boston.

McKeesport, May 30, 10 a.m., Buck Union Building. Speaker: Cynthia Baldwin, attorney for McKeesport Legal Services.

Mont Alto, May 30, 11 a.m., outside on campus. Speaker: Gordon Bowker.

(Continued on page 7)

Penn Staters

Richard G. Swails, director of the Career Development and Placement Center, has been invited to serve as a consultant to one of the interdisciplinary working groups at the International Consultation, an annual conference sponsored by the International Round-Table for the Advancement of Counseling. The 1981 meeting will be held during December in Cambridge, England.

Two Commonwealth Campus faculty members, Martha E. Hadsel, assistant professor of English at Wilkes-Barre, and Carol F. Kessler, assistant professor of English and American studies at Mont Alto, have received National Endowment for the Humanities fellowships for 1981-82. Dr. Hadsel will be in residence at the University of Nebraska studying the history of the English language, and Dr. Kessler will continue her work on women's utopian fiction at the University of Maryland. Only 65 such year-long fellowships were awarded in all fields for the coming year.

Four other English faculty members have been awarded summer study fellowships from NEH. They are Elizabeth M. Buckmaster, assistant professor, Delaware County; Margaret M. Cote, assistant professor, Hazleton; Leo M.J. Manglaviti, assistant professor, Worthington Scranton; and Carole L. Weisz, assistant professor, Wilkes-Barre. Dr. Buckmaster will work on medieval fiction at Stanford University. Dr. Cote on American culture at the University of California-Berkeley. Dr. Manglaviti on James Joyce at Johns Hopkins University, and Dr. Weisz on cinema at New York University.

Frank E. Cable, lecturer in computer science, was one of 15 computer professionals worldwide to be honored at a dinner commemorating the 30th anniversary of the installation of serial number 001 Univac I—the first manufactured computer in history. The dinner, sponsored by Sperry Univac and the Museum of Science and Industry in Chicago, was held May 6 at the Museum.

Mr. Cable and his colleagues, designated "pioneers" in the computing profession, were involved in the systems development, programming or actual installation of any of the Univac I's from the first manufacturing run. Serial 001 was installed in 1951 at the Sperry Univac plant in Philadelphia and was used for processing data from the 1950 census.

Citing his "many contributions to the betterment of landscape architectural education at Penn State," the Pennsylvania-Delaware Chapter of the American Society of Landscape Architects has conferred on Dean Walter H. Walters of the College of Arts and Architecture the status of "honorary member."

Terry Dunkle, a lecturer in the English Department's writing program, has been appointed a contributing editor of *Science 81*, fastest-growing of the five popular science magazines launched nationally in recent years. The magazine, published by the American Association for the Advancement of Science, began newsstand sales last month, after signing half-a-million subscribers in less than two years. Besides writing for the magazine, Mr. Dunkle will recommend article subjects and give general editorial counsel. His latest article, about the science of ice cream, is largely a profile of Dr. Philip G. Keeney, acting head of the Food Science Department, who is known internationally for his research in dessert flavors.

The Rev. Dr. Derald W. Stump, associate in religious affairs and Episcopal chaplain, has been appointed to the board of consultants to the research project on Faith Development in the Adult Life Cycle, a three-year study sponsored by the Religious Education Association of the United States and Canada.



Sara Lou Whildin, head librarian at the Delaware County Campus, has been named the 1981 recipient of the Award for Outstanding Contribution to the University Libraries.

Miss Whildin came to Penn State in 1970 from the library staff at Cedar Crest College. She served on the faculty at University Park before being appointed head librarian at Delaware County in 1976.

A graduate of Cedar Crest College with a B.A. in English, she also holds a master's degree in library science from the University of Pittsburgh.

Miss Whildin has served on several State and national professional organization committees. She was recently elected to the board of directors of the Association of College and Research Libraries.

Currently, she is a member of the advisory board of the Continuing Library Education Network and Exchange and was honored last year by being chosen in a national competition to participate in the Association of Research Libraries Consultants Training Program.

A member of the University Faculty Senate, she chaired the Continuing Education Committee last year.

Dr. Joseph V. Alessandro, professor of education, presented a speech, "Distance Education: The Implications for the Educational Planner," at the Latin American Conference on Distance Education, co-sponsored by The Organization of American States, West German Government, Venezuelan Open University, and The Open University in San Jose, Costa Rica. Some 250 representatives were present at the March meeting, which was held at the Open University in Costa Rica. Dr. Alessandro also participated in a series of lectures held in connection with the opening of a new doctoral program in education at the Simon Rodriguez University in Caracas, Venezuela.

Dr. Richard Chait, assistant provost, will be the keynote speaker at a College Administrators Development Workshop sponsored by the State University of New York on May 29. His topic will be "Managing Tenure Today and Tomorrow." Dr. Chait also delivered the keynote address at a conference on Sexual Harassment, sponsored by the Institute for Higher Education Management last month at the University of Texas. He discussed "Overregulation by Government or Overreaction by Education."

Dr. Ralph T. Heimer, professor of education, has returned from a two-week consulting trip to Egypt, where he lectured on computer-based instruction and demonstrated educational uses of microcomputers. His work took him to the colleges of education at the University of Alexandria at Alexandria and at Damanhour, and to the University of Tanta.

Jan P. Holland, senior research associate in the Acoustics Department at the Applied Research Laboratory, has been elected a Senior Member of the Institute of Electrical and Electronics Engineers (IEEE). Senior Member, the highest professional grade for which application may be made, is granted to only 12 percent of IEEE's 213,000 members.



Dr. Roy A. Olofson, professor of chemistry, has received the 1981 C.I. Noll Teaching Award, which is presented annually by the College of Science Student Council.

A member of the faculty since 1965, Dr. Olofson came to Penn State from Harvard University, where he had earned his doctorate and served as an assistant professor of chemistry. Both his B.S. and M.S. degrees were granted by the University of Chicago.

Dr. Olofson has consistently received high teaching evaluations from the students in his organic chemistry classes. Typical comments have been: "Considering I'm not that interested in organic chemistry, he's done an incredible job of motivating me," or "an outstanding professor who does an excellent job of making a very difficult subject understandable and interesting."

Dr. Olofson has been invited to serve next fall as one of the nine Plenary Session Chairmen at the Organic Division Program of the 1981 American Chemical Society Meeting dedicated to the memory of R. B. Woodward. Dr. Olofson's research interests are primarily in the invention of new synthetic reagents and preparative methods.



From left: Dr. C. Wayne Burnham, Dean Charles L. Hosler, Dr. Eugene G. Williams and Dr. Howard B. Palmer.

25-year chairs

Three College of Earth and Mineral Sciences faculty members are celebrating 25 years of service to the University this spring. They are C. Wayne Burnham, professor of geochemistry and head of the Department of Geosciences; Howard B. Palmer, professor of energy science and associate dean of the Graduate School; and Eugene G. Williams, professor of geology. Dr. Burnham holds a B.A. from Pomona College and M.S. and Ph.D. degrees from the California Institute of Technology. The author of numerous professional publications, he was invited to Sweden to participate in the 1979 Nobel Symposium on Chemistry and Geochemistry of Solution at High Temperature and Pressure.

Dr. Burnham has served as president of the Geochemical Society and is a Fellow of the Geological Society of America, the

Mineralogical Society of America and the American Geophysical Union. He was a special guest of the U.S.S.R. Academy of Sciences in 1973 and again in 1978, has been an invited session chairman at a Gordon Research Conference, and has served since 1976 on the advisory committee of the National Science Foundation's Earth Sciences Division.

Dr. Palmer's research interests include flames and combustion processes, kinetics of fast gaseous reactions, carbon formation and carbon vaporization, mechanisms and yields in chemiluminescent gaseous reactions and solar gas turbines for power production. The author of well over 100 papers or book chapters, he has edited and co-authored a volume on modern developments in combustion technology and is U.S. editor of *Combustion and Flame* journal.

Dr. Palmer graduated from the Carnegie Institute of Technology and was awarded

his Ph.D. by the University of Wisconsin. He served as head of the Department of Fuel Technology from 1959-65 and from 1969-76 was chairman of the Fuel Science Section of the Department of Material Sciences. He is a Senior Fellow of the Institute of Fuel and a Fellow of the American Physical Society. He is a member of the board of directors of the Combustion Institute.

Dr. Williams received his doctorate in geology from Penn State in 1957 after earning a B.A. at Lehigh University and his M.S. at the University of Illinois.

His research interests include the environment of deposition of clastic sediments and paleozoic stratigraphy and correlation. His teaching responsibilities encompass stratigraphy, sedimentology, world sediments and sedimentary petrology, and the history and foundations of science.

Appointments

Thomas C.N. Chiang as assistant professor of economics at Delaware County. B.A., National Chung-Hsing U.; M.A., U. of Hawaii; Ph.D., PSU. Mitchell W. Hall Jr. as assistant professor of engineering at Capital Campus. B.S., Virginia Polytechnic Institute; M.S., Ph.D., North Carolina State U. Formerly director of technical services and quality assurance, Dentsply International.

David L. Quesada as assistant professor of engineering and mechanics. B.S., PSU; M.S., Ph.D., Rutgers U. Melvin J. Baughman as forest resources extension specialist. B.S., M.S., Michigan State U.; Ph.D. in progress, U. of Minnesota.

Mark E. Geskieske as research assistant at ARL. B.S., PSU; M.S. in progress, PSU. Gregory D. Henderson as research assistant at ARL. B.S., PSU; M.A. in progress, PSU.

Ralph S. Moyer as research assistant at ARL. B.A., Millersville State College; M.S. in progress, PSU. Richard L. Tutwiler as research assistant at ARL. B.S.E.E., U. of Pittsburgh; M.S.E.E. in progress, PSU. Formerly electrical engineer, Motorola, Inc. William C. Zierke as research assistant at ARL. B.S., Iowa State U.; Ph.D. in progress, PSU.

Promotions

Staff Exempt

Ronald W. Brown to greenhouse supervisor in Agriculture. Paul C. McGhee to financial analyst in Controller's Office. John E. Miller to assistant housekeeping supervisor in Housing and Food Services.

Staff Non-Exempt

Gwendlyn Strader to nutrition aide supervisor in Agriculture.

Clerical

Margaret J. Ambacher to clerk, typist A in Agriculture. Janet L. Confer to secretary B in Business Administration. Sherry D. Ellenberger to purchasing clerk in Business Services. Mary J. Grove to secretary B in Agriculture. Bonnie G. Hand to records clerk in Human Development. Carol B. Jackson to secretary at Hershey. Mark J. Kessler to secretary B at Hershey. Margaret Krumrine to correspondence secretary B in Health, Physical Education and Recreation. Pamela Thal to clerk, receptionist A in Education. Barbara J. Witherite to secretary C in Agriculture. Patricia A. Witmer to clerk, records A in Liberal Arts.

Technical Service

Richard N. Bayliss to sign painter B, apprentice in Physical Plant. Vincent M. Burns to maintenance mechanic B at Ogontz.

Edward J. Cartwright to community service officer at McKeesport. Peter J. DeHart to instructional services scheduler/dispatcher at Capitol. Wilbur W. Haupt to lead carpenter (shop) in Physical Plant. Mark D. McKeown to maintenance worker (general) at Ogontz. Edward A. Muffling to catering helper in Housing and Food Services. Samuel Phillips to dining hall worker A in Housing and Food Services. Stephen Sampsd to senior operating mechanic in Physical Plant. John F. Weis to utility maintenance worker at Ogontz.

Staff development

Thirty-eight clerical employees of the University have completed the six-week Clerical Enrichment program.

Participating were:

Bobbi Amacher, clerk typist A, Agriculture; Sandra Andrews, clerk typist A, Agriculture; Cynthia Ault, clerk typist A, Gifts and Endowments; Lisa Auman, clerk typist B, Agriculture; Cindy Barger, secretary C, Engineering; Sandy Butts, clerk typist B, Libraries; Linda Elliott, clerk A, service desk, Physical Plant; Kathy Evey, clerk typist A, Agriculture; Judy Fetterolf, clerk, registration B, Registrar's; Sandra Fetzer, clerk, accounting B, Agriculture; Cheryl Fitzgerald, clerk typist B, Libraries;

Jane Gearhart, clerk B, cashier, Engineering; Mary Jane Gilmore, secretary C, Agriculture; Nancy Hatch, secretary C, Libraries; Margaret Holderman, clerk typist A, Engineering; Irene Illingworth, clerk A, lending services, Libraries; Jeni Ingram, clerk typist B, Engineering; Sheila Isler, clerk typist B, Engineering; Darlene Keller, clerk typist B, Housing and Food Services; Vivian Kovacic, technical secretary B, Science; Janice Lovette, clerk typist B, Continuing Education;

Nancy Markle, clerk A, Physical Plant; Sandra Martz, secretary C, Intercollege Research Programs; Karin Miller, clerk typist A, Engineering; Loida Muniz, clerk, publications B, Education; Linda Padron, clerk B, Physical Plant; Nancy Royer, secretary C, Liberal Arts; Tammy Settle, clerk typist A, Engineering; Debra Sipe, clerk typist A, Earth and Mineral Sciences;

Audrey Smith, statistical clerk A, Intercollege Research Programs; Delphine Smith, secretary B, Continuing Education; Lisa Smith, clerk, medical records B, University Health Services; Yvonne Stover, secretary C, Liberal Arts; Kathy Tressler, secretary C, Admissions; Suanne Warner, stenographer A, Education; Sheila Winfree, clerk B, Personnel Administration; Tammy Yarnell, clerk typist B, Engineering; Cindy Zeleznick, clerk typist B, Continuing Education.

Partings

Francis E. Kaprocki, research associate in ARL, retired May 1 after a total of 27 years of University service. He first worked at ARL from 1952 to 1965, returning in 1967 and continuing there until his retirement.

Mr. Kaprocki, whose area of research has been in electro-acoustic instrumentation primarily for underwater sound applications, received his B.S. degree in 1951 from the American Television Institute of Technology. In 1956, he became a registered professional electrical engineer in Pennsylvania.

Following his retirement, Mr. Kaprocki will reside in De Bary, Fla.

Mildred A. Conklin, mail sorter and relief clerk in the Office of Business Services, retired March 21 after working for the University since 1960.

Mrs. Conklin began her Penn State employment as a maid in Housing and Food Services, working primarily in Atherton Hall. She assumed her present position about eight years ago.

"The people I worked with were really

close," says Mrs. Conklin. "and I enjoyed our Christmas parties, birthday celebrations and other group activities."

Noting that she has daughters living in Florida, Indiana and Southeastern Pennsylvania, Mrs. Conklin says her retirement plans include traveling to visit each of them. She also intends to make a trip to Arizona to renew acquaintances with old friends.

Whether she's on the road or in her home area of Howard, she plans to pursue one of her favorite activities, round dancing, and hopes to join a dance club.

Mrs. Conklin's sister, Elizabeth Young, is employed by Housing and Food Services in McElwain Dining Hall.

The Ogontz Campus Solarium may never be the same after Rita E. Burch's May 1 retirement. During her 20 years as a clerk in the Maintenance and Operations Office at Ogontz, Mrs. Burch has left her green-thumb print on the foliage in and around Sutherland Building.

Mrs. Burch, who came to Ogontz in April 1961, has been secretary to "at least five" heads of Maintenance and Operations.

Besides caring for the many plants that decorate the lovely Victorian solarium, she has assumed responsibility for several fund-raising projects at the Campus. She has arranged plant sales during Christmas, Easter and Thanksgiving seasons for the benefit of the Campus's spring arts festival and for the Holiday Bazaar Scholarship Committee.

Mrs. Burch says she has enjoyed her time at Ogontz and will miss it, but looks forward to a change of pace. She plans to pay more attention to her enclosed porch "greenhouse" at home; and when her husband retires, the Burches intend to travel and camp throughout the continental United States.

The Burches have one daughter, Deborah, a Penn State graduate who teaches science in the Upper Dublin School District.

Donald J. Gannon, an engineering aide in the Applied Research Laboratory since Jan. 1, 1966, left the University on April 1.

Richard G. Glasgow, a dining hall worker with Housing and Food Services, retired April 26 after working at the University since Sept. 16, 1964.

Thomas R. Pryde, an engineering aide in the Applied Research Laboratory, left the University May 1. He had been a staff member since March 8, 1957.

Augustus M. Clouser, patrol officer at the Hershey Medical Center since Feb. 2, 1968, retired May 1.

Charles H. Edwards, grants and contracts officer at the Hershey Medical Center since April 1, 1966, retired May 1.

M. Louise Guyer, a domestic worker with the Office of Physical Plant since April 26, 1971, retired May 2.

Muriel E. Benton, a residence hall worker with Housing and Food Services since Sept. 22, 1966, left the University on May 1.

John Anuskiewicz, a maintenance mechanic at New Kensington since May 24, 1971, will retire May 30.

John D. Bassett, a research associate at the Applied Research Laboratory, retires June 1. He has been at the University since June 1, 1965.

William L. Emkey, associate professor of physics, will leave the Allentown Campus on June 1 after serving there since Sept. 21, 1970.

Janet R. Forsht, a secretary in the College of Education, will retire June 30 after having been employed since Jan. 1, 1968.

Martha S. Stover, a secretary in the College of Health, Physical Education and Recreation, is retiring June 30. She came to Penn State on June 10, 1968.

Charles W. Bush, instructor in engineering at Berks, will retire June 30 after serving since Jan. 1, 1969.

Calendar report

Discussion of the publication schedule for the University catalog and related materials occupied much of the Calendar Conversion Council's May 7 meeting.

Members were generally agreed that an earlier edition of the catalog or a catalog equivalent would be desirable. The Council also agreed to investigate the need for special guidance to the 1982 freshman class, both at the time of admission and when program planning begins.

Other discussion topics included:

— The question of class schedule at University Park. Council was advised that a committee looking into that issue had reviewed certain principles which a new class schedule should follow and is in the process of developing the specifics of a recommended schedule.

— The material circulated to the Colleges that week. Council reaffirmed the need for this review and revision procedure.

The Council officially changed from a weekly to a bi-weekly meeting schedule, with the next meeting to be held May 21.



Gamma Sigma Delta, the honor society of agriculture, recently cited for accomplishment (from left) Sidney E. Barnard, professor of food science extension; Dr. John W. White, professor of floriculture; and Dr. Gary W. Petersen, professor of soil genesis and morphology. Far right, Dr. Samuel H. Smith, vice president of the society. Mr. Barnard was honored for accomplishments in extension, Dr. White for research achievements, and Dr. Petersen for excellence in teaching.

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News in Brief

Some space available on Shakespeare Festival trip

Some spaces are still available for the English Department's annual excursion to the Stratford (Ontario) Shakespeare Festival from July 25 to 27.

The \$99 per person package includes tickets to three plays, lodging for three nights in Stratford rooming houses, and round trip transportation in University vans.

The Shakespeare plays on view July 25 and 26 are *Taming of the Shrew* and *Coriolanus*, and a production of *H.M.S. Pinafore* is scheduled on July 24. Those who wish may purchase tickets to a Saturday matinee performance of *The Misanthrope* for an additional \$17.50.

The trip is annual summer attraction for students in English 548. Reservations will be accepted by Judd Arnold of the Department of English mornings before 11 a.m. or evenings after 7:30 p.m. at 238-2062.

U.S.-Italian geographers hold Penn State meeting

Twenty-five geographers, 11 from Italy and 14 from the United States, participated in a U.S.-Italy Cooperative Science Exchange in Geography conference held May 6-9 at the University.

Dr. Allan Rodgers, professor of geography, arranged the conference, which, he explains, was intended to promote collaborative research between the Italians and the Americans.

All of the participants were specialists in urban and regional development, and their discussions centered on problems, policies and practices in this area.

The meeting was sponsored by the National Council of Research in Rome and the Association of American Geographers.

Indian education gets \$231,909 grant

Penn State's Native American Leadership Training Program, which focuses on "Education for Indians by Indians," has received a continuation grant of \$231,909 from the U.S. Department of Education.

The grant, which brings to approximately \$1.4 million awarded the program since 1974, is dependent upon an annual review of the program to assure that goals are met.

Now in its 11th year, the program prepares Native Americans for educational administrative and policy-making positions in schools, colleges and universities, tribal organizations and government.

Penn State's program, the longest continuously operating one of its kind, is one of some 21 programs training Native Americans for teaching or administrative positions at colleges and universities around the nation.

The program's director is Dr. Grayson B. Noley.

Alard players record Bartok Quintet

Bartok's Quintet for Piano and Strings, recorded by the Alard Quartet and pianist Sylvia Glickman, has just been released by Leonard.

Alard Quartet members are Joanne Zagst Feldman and Donald Hopkins, violins; Raymond Page, viola; and Leonard Feldman, cello. They are associate professors of music at the University.

Ms. Glickman is pianist-in-residence and an associate professor of music at Haverford College.

Quinn to be academic affairs vice president at RIT

Dr. Robert G. Quinn has been appointed vice president for academic affairs at Rochester (N.Y.) Institute of Technology (RIT). Dr. Quinn replaces retiring Vice President Dr. Roy I. Satre.

Dr. Quinn, 45, has been serving as special assistant to President Oswald in developing plans for a comprehensive, integrated management information system at Penn State.

"Dr. Quinn's extensive knowledge and experience in pragmatic educational programs as well as computer systems will advance the Institute in the decade ahead," RIT President M. Richard Rose said.

"I was attracted to RIT by its quality career programs and diversity," Dr. Quinn added. "The career nature of RIT is a major factor that keeps it at the forefront of higher education."

Dr. Quinn also cited the distinctiveness of Eisenhower College and the National Technical Institute for



Dr. Quinn

the deaf, two of RIT's 10 colleges.

Among Dr. Quinn's initial responsibilities will be evaluation of the

effectiveness of current academic programs and the utilization of computers on campus.

Dr. Quinn earned his B.S. in electrical engineering from Drexel Institute of Technology in 1959. Catholic University of America granted him M.S. and Ph.D. degrees in physics in 1961 and 1962, respectively.

His teaching experience includes Drexel, Princeton and Catholic University. In 1970 as professor of engineering, he became faculty assistant to President Oswald, and in 1971 the dean of academic instruction for Commonwealth Campuses.

He is the author of numerous articles in the fields of physics, space science, engineering and administration. He has served as a consultant to industry, government and higher education, including such national programs as Goddard Space Flight Center of NASA and the National Bureau of Standards.

New service will access University research

Dr. John W. White, professor of floriculture, and Dr. John W. Davis, a research associate in the Center for Air Environment Studies, have been named associate directors of Industrial Research and Innovation.

Dr. White is a well known researcher in greenhouse energy conservation and has contributed to the concept of movable thermal blankets. He directs research in solar methods of heating greenhouses, heat storage in eutectic salts and water, and heat-conserving properties of alternative greenhouse structures.

Industrial Research and Innovation is an adaptation of the present Small Industries Research (SIR) program directed by James W. Lundy. Where SIR operates mainly with small Pennsylvania industries, Industrial Research will work with small or large companies interested in access to University research talents.

"Industrial Research has been planned as a service function," says Dr. Lundy. "We'll try to develop faculty opportunities by matching industrial needs in research, seminars and cooperative sabbaticals, for example, with interests and capabilities of faculty members."

Benefits to the University are the opening of new sources of research support, exchange of ideas and knowledge between Penn State faculty members and industry, the creation of good will for the University, and enhancement of employment opportunities in industry for students participating in research.

Steam line repair to shut off Green D area

The Green D parking area will be closed from May 27 through June 5 while University workmen repair an underground steam line in the vicinity.

Faculty and staff who normally park in the lot must use a designated open parking lot on campus while the repairs are in progress.

Modified traffic plan set for Commencement

The following modified traffic plan will be used to accommodate crowds attending Spring Commencement exercises Saturday, May 30, at Beaver Stadium.

— Park Avenue will be one-way east from North Atherton Street to the Stadium from 9 a.m. to 10:45 a.m. It will reverse after Commencement until 1 p.m.

— Park Road will be one-way east from Bigler Road to the baseball field from 9 a.m. to 10:45 a.m. It will reverse after

Commencement until 1 p.m.

— University Drive will be one-way north from the College Avenue overpass to the Stadium from 9 a.m. to 10:45 a.m. It will reverse after Commencement until 1 p.m.

— Curtin Road will be closed to all traffic from Shortlidge Road to University Drive from 9 a.m. to 10:45 a.m. and will be closed from University Drive to Porter Road from 9 a.m. to 1 p.m.

— Porter Road will be open for two-way traffic.

The traffic pattern will not be used if rain forces the Commencement program to alternate sites.

Fraser Road traffic to be interrupted

Traffic will be interrupted at varying intervals from June 1 through June 5 on Fraser Road near Hilsing Cottage while University workmen repair an underground line.

Channel 3 receives highway safety award

Penn State's Channel 3 Educational Station WPSX-TV has been selected by the Governor's Traffic Safety Council as one of the recipients of the 1980 Governor's Highway Safety Awards.

The station was recognized for its annual alcohol highway safety campaign and public service announcements program during the 1980 December holiday season.

HUB will not serve dinner meals over summer

Some curtailment in food services provided by the HUB will be made this summer since kitchen equipment from the Terrace Room cafeteria must be moved as part of the HUB food service renovation. The following schedule has been announced:

Terrace Room Cafeteria: Breakfast, lunch and dinner will be served through Friday, May 22. The Terrace Room will be closed from May 23 through Sunday, June 7, reopening June 8. During Summer Term, service will be limited to continental-style breakfasts from 7 a.m. to 10:30 a.m. and to lunch from 11:30 a.m. to 1:15 p.m. No dinner meal service will be available.

HUB Ballroom Snack Bar: This facility will close permanently on May 22.

Kern Cafeteria: Service will be available Mondays through Fridays from 7 a.m. to 6 p.m. during Summer Term. The grill will close daily at 2 p.m.

Editor's note: The following remarks are taken from a talk delivered by Provost Edward D. Eddy May 14 at the Phi Beta Kappa banquet.

... As a sometime student of history, I once wrote a volume on this nation's land-grant colleges and universities. In preparation, I was forced to read thousands of presidential and provostial addresses.

I am happy to report that only one such address remains responsive to my recall button. Perhaps seventy years ago, President Woodrow Wilson of Princeton University delivered the Phi Beta Kappa address on a Princeton occasion, similar to this. He spoke eloquently when he said:

"My plea is this, that we now deliberately set ourselves to make a home for the spirit of learning; that we reorganize our colleges on the lines of this simple conception, that a college is not only a body of studies but a mode of association. . . . must become a community of scholars and pupils — a free community but a very real one, in which democracy may work its reasonable triumphs of accommodation, its vital processes of union."

Each of us has his or her own idea about why we are at Penn State, and we need to be articulate about those ideas.

William Faulkner wrote that he had "found that the greatest help in meeting any problem with decency and self-respect and whatever courage is demanded, is to know where you yourself stand. That is, to have in words what you believe and are acting from."

May I be presumptuous enough to share with you tonight some of my own credo on the foundations of an academic community? To my mind, two words describe best the enterprise of higher learning. I borrow these words from my own alma mater and from the splendid writings of the historian Carl Becker.

He spoke of the truly great university as one which is characterized by the delightful quality of "impudent freedom."

At its best, Penn State is a condition of impudent freedom — the freedom to delve, to explore, to be righteously right one moment and gloriously wrong the next. But, above all, to be concerned with ideas and their consequence.

What are the necessities of an academic community in order to achieve the statutory conditions conducive to impudent freedom? Let me leave any impression that university administrators escape responsibility. Let me begin with my breed.

Surely, intellectual leadership is a prime necessity in an academic community. Surely the presidents, the provosts and the deans of the world bear heavy responsibility for the spark of new ideas, for the encouragement of new approaches, for maintaining the mystique of impudent freedom. Indeed, they are the ones, above all, who should be expected to "put it all together."

Unfortunately, given the current conditions of higher education, our intellectual leadership is much too prone to concern itself almost exclusively with the frailties and finalities of finances: "the bottom line."

Preserving the essence of a great university

Indeed, we become so results-oriented, as they say in the trade, that many among us rise only to a 4th quarter mentality. We can talk about budgets and faculty productivity and student credit hours and deficiency appropriations — but we have few, if any, ideas about the individual student and what should be happening to him or her in a classroom. We forsake long-term planning for short-term gains. It's easier to cope with in-baskets than to realize dreams.

Intellectual leadership at its highest and best is nothing more nor less than the maintenance of a condition of creativity. A community of scholars is a collection of individual thinkers maintaining their own identities but sharing the common goals of impudent freedom. Furthermore, a great university is a nucleus of superbly creative people surrounded by others wanting to sharpen and perfect their own creativity. The pedant, the apathetic, the conformist, therefore, find no berth here.

In the current search for new deans at Penn State, as Provost of the University, I have found that it is both necessary and highly desirable to define what I, at least, seek in an academic leader. My thinking has evolved into three basic qualities.

The first is COURAGE. The ability to make, and then to live with, hard choices. We can't expect courage in others if we don't demand it of ourselves. For the academic administrator, the step after self-identification of strong intellectual leadership in others — and then the willingness to support those others. You can judge a leader by the choices he or she makes in people and the authority he or she delegates, often also with courage. All of us are vulnerable to mistakes, of course, and so we must be judged by the record of the years, not of the moment.

Take, for example, the matter of department chairmen and heads. Few genuinely responsible officers in all higher education are so taken for granted, both in the process of appointment and in continuing support. The effectiveness of a dean might well be measured by that one yardstick. The matter of choice reveals also the degree of courage. It includes not just the initial choice but the choice to continue. It includes the courage to make difficult decisions in tenure, in promotion, in the granting of sabbaticals, and in such deceptively mundane matters as merit.

The second quality of the intellectual leader is CLARITY. Does he or she know what he or she believes — and can one be articulate about it?

How does it help an institution to foster impudent freedom if we, ourselves, are not willing to speak freely about our own convictions? The true intellectual leader is quick to affirm, "Here I stand — but I am ready to listen."

The third quality is one which is sometimes regarded as loathsome to the content community of scholars. Simply

stated, it is COMPETITION. The leader welcomes and seeks competition — give and take. If you prefer — in the struggle for both ideas and priorities. He is kept on his mettle by colleagues who are after both his ideas and his resources — and so he must prove the validity of both.

Measure, then, the true intellectual leader by his or her courage in choice, clarity in conviction, and enjoyment of competition.

Or, in the words of East European author Stanislaw Lec: "Even in labyrinths there are signs now: NO VAGRANTS OR LOITERERS."

Allow me, if you will, to broaden this point. Allow me to return to that tantalizing phrase of Carl Becker: "impudent freedom." In essence, in a university setting, what is it? In my credo, impudent freedom means keeping sacred the opportunity for open disagreement without rancor or retribution.

Disagreement is not, *per se*, adversarial — and it all behoves us in a university setting if we view it as such. Disagreement and debate are our basic methods for the expansion of knowledge — and yet, perhaps especially at Penn State, we view them as attack. We find great difficulty in separating the criticism from the critic.

Penn State values competition on the gridiron and fears it in the classroom and the meeting room.

One of the necessities of an academic community is that it welcomes competition in ideas. Tonight is a victory party for Penn State — because it has occasion to honor those of you who do not fear competition and do strive for the best.

We hope you have learned a vitally important lesson on this campus: that a mark of the educated person is that he or she is capable of distinguishing between the idea and the person espousing the idea. He or she may or may not agree with the idea but both the person and his espousal deserve our respect. Only in this way will we be free to attack the idea cleanly and with vigor.

Harold Dodds has pointed out that a good university administrator "will do what he can to prevent normal and desirable tension from degenerating into strained personal relations which wind up in rancorous and damaging strife, but he will also do everything he can to avoid 'peace at any price' and the sterility of one big, dull, happy family."

Does Happy Valley provide too much shelter for the happy family?

Thus we come to face another necessity of the academic community: the resolution of the tension between unity and diversity.

We face a danger here, especially in these times and in this place. The national emphasis is on unity — unity in changing priorities and in keeping ourselves afloat and together. Across the nation, the emphasis within education, similarly, is on unity.

For my part, I am deeply worried lest we take the next step of implying that unity is synonymous with conformity. An acceptance of such a point of view in a university would turn us into a sand castle subject only to the waves of the sea of conformity.

Lec observes: "Here we all think alike; therefore, none of us thinks very much." No unity is worth that price.

A university should be distinguished by its diversity — or, as we have attempted to say, by the rough and tumble of conflicting ideas. This isn't comfortable; it isn't meant to be. One doesn't come to a university to be comforted. One comes because he or she enjoys, even relishes, ambiguity. Nothing is certain.

I happen to believe deeply in the necessity also of institutional diversity. I believe that we need both public and private institutions of higher learning, large and small, coed and single sex, four-year and life-long.

Recently I was issued — and readily accepted — an invitation to serve as the first non-Catholic member of a newly reconstituted Board of Directors of a Roman Catholic college, seminary, and, in effect, monastery. I believe we need monasteries in this world — places of quiet study and reflection. And I believe we need great teaching enterprises such as Penn State where someone is awake and at work every hour of every day.

But after visiting "my" seminary and monastery with its almost overpowering pressure toward unity with conformity, I return to this university to observe and wonder about its own almost smothering peer pressure — among students, among faculty members, among administrators.

In reality, we do not enjoy ambiguity and diversity on this campus. We resist them. We prefer that each make his contribution to the preservation of the Penn State image of itself. And yet a great university should be proud because it cannot be said that "here we all think alike." A great university challenges each person to think differently — and to be quick in the defense of his neighbor's equal rights.

There is a place for everything — and everything is in its place. Coach Paterno, for instance, would be the first to raise his voice in defense of that diversity. We need balance — undergraduate, graduate; professional, liberal; academic, athletic. To achieve that balance, we should be engaged in an unending debate.

Let us resolve to argue, to challenge, to dissent, to speak up and out on every issue of consequence. Only in this way will we preserve the essence of a true university. Penn State is not a collection of buildings and people: It is a collection of ideas; it is an endless argument; it is unity around the theme of diversity.

Phi Beta Kappa students, as articulate intellectuals, should be at the forefront of these debates. The bright must not shrink before the brash.

We hope and pray that Penn State never thinks that it has all the answers. It depends upon each succeeding generation to raise impudent questions and to provide outrageous answers. . . .

University to host three international conferences on ceramics, glass

Three international conferences on technical ceramics and glass will bring scientists from all over the world to the University this summer.

An International Symposium on the Fracture Mechanics of Glass is scheduled for July 15-17; the sixth in a series of conferences on glass science, entitled "Glass Microstructure: Surface and Bulk," will be held July 29-31; and the Fifth International Meeting on Ferroelectricity will run from Aug. 17 to 22.

The fracture mechanics meeting will include six half-day sessions with the

tentative titles of: toughening processes in ceramics; slow crack growth; experimental techniques; surface phenomena and effects; engineering design, reliability, and application; and elevated-temperature fracture. Dr. Richard C. Bradt, professor and head of the Department of Materials Science and Engineering, is local coordinator for this conference.

The glass science conference is one of a series being held every two years on a rotational basis among the University of Missouri at Rolla, Alfred University, Rensselaer Polytechnic Institute, and Penn State. It will be devoted to glass

microstructure and includes these topics: concepts of glass structure; microstructure formation; characterization of microstructure; surfaces and interfaces; and relationship of microstructure to properties. A short course on "Surface Analysis of Glass and Ceramics" on July 27-28 will precede the conference. The Penn State organizing committee consists of Dr. Carlo G. Pantano, assistant professor, and Dr. Guy E. Rindone, professor emeritus, both of ceramic science and engineering; and Dr. William B. White, professor of geochemistry.

The ferroelectricity meeting is sponsored

by the International Union of Pure and Applied Physics and the American Ceramic Society in cooperation with the Institute of Electrical and Electronics Engineers. The program will cover all aspects of the study of ferroelectricity which has applications in capacitors and other electronics components. It will follow the format of the four earlier conferences which were held in Prague, Kyoto, Edinburgh and Leningrad. Dr. L. E. Cross, associate director of the Materials Research Laboratory, is local organization chairman. Dr. Robert Newnham, professor of solid state science, is organizing secretary.

IAHS sets itself task of enlivening intellectual climate

When Stanley Weintraub became director of the Institute for the Arts and Humanistic Studies in 1971, he told an interviewer that while he didn't expect to make waves, he did hope to cause a few ripples.

Since then, from his office in Ithaca College, Dr. Weintraub, a research professor of English, has managed consistently to ruffle the calm of the backwaters surrounding "Happy Valley."

Beginning with Brazilian novelist Jorge Amado, a constant stream of distinguished Visiting Fellows has been brought to University Park with Institute support. Some are well known to the general public — among them, Nobel laureate Isaac Bashevis Singer, Peruvian President Fernando Belaunde-Terry, novelist C.P. Snow and portrait painter Alice Neel. Others have established reputations within a scholarly discipline — Austrian linguist Wolfgang Dressler and Belgian historian Raoul van Caeneghe, for example.

"We're always looking for new ways to stretch faculty and enliven the intellectual climate," Dr. Weintraub reports. "Because of Penn State's physical and cultural isolation, our artists and scholars need the stimulation of talking and working with visiting fellows, and these contacts also help the faculty establish valuable research connections."

Visitors sometimes make their own connections. Dr. Weintraub points to John Dixon Hunt, an English scholar interested in the relationships among garden-planning, art and literature in the 18th and 19th centuries. When Professor Hunt visited the Institute in 1977, he met Fellow Heinz Henisch, editor of the journal, *History of Photography*. Subsequently, when Dr. Henisch learned that his publishers were seeking someone to edit their new *Journal of Garden History*, he recommended Dr. Hunt, who is now the editor.

Dr. Weintraub recalls two other incidents:



Dr. Weintraub

"When biographer Leon Edel was here, just before he finished his *Henry James*, he discovered a diary by a Jamesian friend in our Rare Book Room. He hadn't known of it. Now there's a reference to it in the biography. And when Bernard Shaw biographer Michael Holroyd was here, he was able to add to his documentation from our resources. The intellectual currents flow both ways."

In addition to assisting departments in attracting visiting luminaries, the Institute provides "seed money" to support research and artistic activity at all Penn State campuses. A seven-member advisory committee confers with Dr. Weintraub and assistant Institute director William H. Allison in determining grants. Major funding for the Institute's programs is provided by the Office of the Vice President for Research and Graduate Studies.

"Because we are an independent Institute and our grants are competitive awards, the recipient of one of our research fellowships has a head start in approaching a federal granting agency such as NEH," Dr. Weintraub says. "I estimate that for every \$10 the Institute

gives out, faculty members secure \$25 to \$30 from another granting agency to continue their work. That's what I mean by 'seed money.' We do not look on ourselves as a small grants office doling out funding as each faculty member's turn comes up. We try to be highly selective about the researchers in whom we invest."

Dr. Weintraub is particularly proud of the "Society of Fellows" created by the Institute. There are now 13. Weintraub himself, Kenneth R. Beitler, Gerard J. Brault, Raymond Brown, Stuart Frost, Helmut Hager, Warren W. Hassler Jr., Heinz Henisch, Charles W. Mann Jr., Robert K. Murray, Stanley Rosen, Robert F. Trehy and Paul West.

"All of our Fellows have national or international recognition in their fields," Dr. Weintraub says, "and we believe that they serve as symbols of excellence for the faculty."

Still another function of the Institute has been to act as impresario. It has arranged the American premieres of three plays, most recently Jose Martin Recurda's *The Innates of the Convent of Saint Mary Egypt*. It has also commissioned a number of musical works, not always to critical acclaim, although *The New York Times* wrote that John La Montaine's *Be Glad Then America* had "won the Bicentennial sweepstakes."

"It's a chance one takes," Dr. Weintraub says. "We try to go to composers who have received such major recognition as a Pulitzer Prize. You have to start somewhere, and the Pulitzer committees in music are very selective. For the past two years, for example, no prize was awarded."

Institute funding has also inspired and supported a variety of special programs, among them the 1200th Anniversary Symposium on *The Song of Roland*, the appearance of the Grimephoto Colliery Band of Yorkshire, the publication of a Bicentennial history, *Pennsylvania 1776*, and an exhibit in the State Museum of

Harrisburg of the "button hole" photograph of camera pioneer Horace England.

"We have been wary of commissioning works of art," Dr. Weintraub notes. "With music, you must promise at least one performance, but that's quite different from committing our Museum of Art to display permanently a work it has never seen."

During the past decade, a number of undergraduate courses have been developed with Institute support.

"I think that too often we teach in a vacuum without showing interrelationships," Dr. Weintraub says. "Art happens because a person lives in a social and historical context."

Among the interdisciplinary experimental courses which have grown out of this philosophy are "Women and Creativity" (offered three times) and "The Culture of the American 1960s," which was so successful that it will be scheduled again next year.

Although the Institute has compiled an impressive record under his tenure, Dr. Weintraub has no intention of resting on his oars. He is concerned, however, about the effects of reduced federal funding and Penn State's calendar conversion on Institute fellowships.

"Research fellowships involve released time," he explains, "so it will cost significantly more to support a faculty member for a semester as opposed to a term. And of course the reorganization of federal funding is going to affect our 'seed money' philosophy."

The accomplishments of Penn State's whose work has had an Institute connection is obvious to a visitor. One large wall in the Cottage is covered with thumbtacked book jackets, concert programs, exhibition catalogs and other evidence of continuing faculty achievement. "We keep running out of display space," Dr. Weintraub says. "It's a good feeling."

Dean Palladino chosen to head NRC

(Continued from page 1)

completion and are ready for operating licenses," he says. "A decision is going to have to be made on whether it is a go or no-go situation. You can have all the debates you want, but you can't go on dilly dallying for months and years."

"I think there need to be better communication systems among plants and between NRC and the plant operators so information about anything that becomes

— formed to offer guidance to General Public Utilities to keep the accident from becoming worse. The group advised on various modes in which the plant was to be maintained at various stages of the post-accident period.

He was a member of the Advisory Committee on Reactor Safeguards for 10 years — with one year out while he served as president of the American Nuclear Society. The committee was a statutory body established by Congress to review commercial nuclear power plants proposed for construction or operation in the United States.

This is not the first time his name has surfaced in connection with the NRC. Dean Palladino was one of three candidates proposed to President Carter for the Commission by the National Academy of Engineering and the Engineers Joint Council.

He has been dean of the College of Engineering since November 1966 and for seven years prior to that was department head of nuclear engineering. A Lehigh University alumnus, he worked for Westinghouse for 20 years before coming to Penn State.

"I've certainly enjoyed being dean," he says. "It was an interesting period, with many challenges. We lived through the drop-off in enrollments during the late '60s and early '70s and then the sudden turn-around, with enrollments rising faster than we anticipated. I've had a good faculty, and I've enjoyed my years in the Senate."

"I've been telling well-wishers, 'As long as you don't see me on TV, I'm not in trouble.'"

President Oswald issued the following statement on hearing of Dean Palladino's appointment:

"It is indeed a great honor for Penn State to have one of its administrators appointed to such a crucial government position. As one of the nation's foremost experts on nuclear power — and especially nuclear safety — Dr. Palladino is an excellent choice, and I congratulate him."

"In his 15 years as Dean, Dr. Palladino has been most instrumental in developing the College of Engineering into an excellent academic unit of our University. I am very happy that he has been given this opportunity to serve his country."

a problem at one plant can be transmitted to the others. If that had happened at Three Mile Island Unit 2, the situation might have been less severe."

Dean Palladino for 10 days was part of the technical task force — an ad hoc group

Faculty/Staff Alerts

Errors in phone book should be corrected

The updating of listings for the next edition of the Faculty/Staff Telephone Directory will start early next month.

Faculty and staff members who have noted errors in the directory listings should act immediately to correct their entries in the upcoming directory.

Information for the directory was taken from payroll files last summer. Following is a list of common errors and the procedures for getting the correct information into the proper files.

In correcting the forms, it is important to fill in all the information. Missing elements may cause errors or rejection of the correction by the computer file.

Directory listing carrying old or incorrect title:

Must be corrected on Payroll Change Form submitted by your Department Head, through the Office of Personnel Administration.

Listing showing old or incorrect address: Home address — changed by submitting new W-4.

Campus address — changed by submitting Office Address Telephone Information form. Both forms are available from your Personnel Representative.

Name omitted from Directory: Submit O.A.T.I. form to Payroll. Form is available from your Personnel Representative.

Unlisted number appearing in Directory: This can be corrected in two ways. Submit

new O.A.T.I. form with a Code 2 in the publish box, or fill out a new W-4 form and omit your unlisted number from the form. Both forms are available from your Personnel Representative.

Employment files need to be kept up-to-date

University employees often acquire additional skills or knowledge through course work, training programs, and individual study that they didn't have when they initially joined the University. In addition, an employee may gain experience in another field through outside activities.

The University's Employment Division says it is very important to know about all such skills or knowledge when an employee applies for promotion to another job. Unless the employee provides this information, his or her file may contain only information on education, training or other experience provided either at the time the person joined the University or last had contact with the Employment Division.

Therefore, the Employment Division urges every employee to consider whether he or she can add to the information currently on file and to remember also that such information should be updated when appropriate. If additional information is to be added, a Personal Data Update sheet should be requested from the Employment Division, 117 Willard Building, 865-1387 (Network 475-1387). Then, if an employee later calls to apply for an announced job vacancy, the additional information already will be on file.

Calendar

May 21-June 10

Special Events

Thursday, May 21
Final examinations. Also May 22, 23 and 25.

Saturday, May 23
Shaver's Creek Nature Center, Paul Risk on "Folklore and Uses of Medicinal and Edible Wild Plants," 2 p.m., Stone Valley.

Monday, May 25
Holiday. Memorial Day observed. University offices closed.

Sports: golf (women) vs. Alumnae, 9 a.m.
Shaver's Creek Nature Center, Memorial Day picnic, hike, 2 p.m., Stone Valley.

Tuesday, May 26
Computation Center Workshops, "INTERACT Techniques," mornings only, 9 a.m., Room 108 Forum, through May 28; "SCRIPT: A Text Formatter," afternoons only, 1:30 p.m., Room 108 Forum, through May 28.

Registration, Room 229 Computer Bldg. Residence Halls close for Spring Term, 3 p.m.

Wednesday, May 27
Sports: track (women), Penn State Open, through May 30.
Political Science lecture, Jose Antonio Gil, Venezuelan professor, on "Political Bargaining and Policy Making in the Third World: Effective or Limited Pluralism," 8 p.m., Room 112 Walker.

Thursday, May 28
Board of Trustees meeting, Keller Bldg.

Friday, May 29
Board of Trustees meeting, Keller Bldg.
Shaver's Creek Nature Center, "Ecoventures," 5th and 6th graders, through May 31.
Information, weekdays, 8 a.m.-5 p.m., 865-1851.

Saturday, May 30
Spring Term Commencement, 10:30 a.m., Beaver Stadium.

Monday, June 1
Distribution of faculty spaces for Summer Term, 7:15 a.m., Room C106 Pattee.
Computer Center Workshop, "Introduction to APL," mornings only, 9 a.m., Room 108 Forum, through June 5. Registration, Room 229 Computer Center.

Tuesday, June 2
University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

Thursday, June 4
Alumni Assn., Alumni Reunion Weekend, through June 6.

Friday, June 5
Plant Pathology/Veterinary Science Special Seminar, 2:20 p.m., Room 111 Animal Industries. J.A.W. Coetzer, Veterinary Research Institute, South Africa, on "The Role of Myxomatosis and Plants in Photosensitizing Diseases of Animals."

Saturday, June 6
Alumni Assn., All Class Luncheon, 12:30 p.m., Rec. Hall.

Sunday, June 7
Student arrival date for 10 week Summer Term. Residence Halls open, 8 a.m.
Alumni Chapel Service, 9:30 a.m., Eisenhower Chapel. Dr. Doris Seward, exec. asst. to the President, speaker.

Tuesday, June 9
Registration for 10 week Summer Term, 8 a.m.-5 p.m., IM Bldg.

Wednesday, June 10
Add deadline, through June 19.

Drop deadline, through June 30.
Summer Term classes begin, 8 a.m.

Exhibits

Kern Gallery: Martha Holt, ceramics and photographs, through May 22. Bill Rensner, leather, through May 23. Robert Graves, prints, through May 29.

Museum of Art: Selected works from the collections of Mimi and Sanford Feld and Samuel Gallu, through May 24. Selections from the Museum's American collection, through May 31. Photographs from the Museum's collection. Twentieth-century works from the Museum's collection, opens May 23. Drawings and prints from the Museum's collection, opens May 31.

Pattee Library: "Igitor's House: An Architectural Study," through June 10, East Corridor Gallery. Karen Simonaitis, recent paintings, through June 7, Lending Services Lobby. Becky Matarazzi, glass, through June 10, Main Lobby. Martha Carothers, "The Design and Production of Children's Novelty Books," Rare Books Room.

Visual Arts Zoller Gallery: Undergraduate Exhibition, through May 22.

Funding Sources

For further information,
call 865-1372

(359-1) The National Endowment for the Humanities Summer Seminars for College Teachers for Summer 1982 is seeking scholars to direct these seminars in undergraduate teaching. Outstanding scholars who have access to libraries suitable for advanced study and research are urged to apply. Each seminar is to provide 12 college teachers with an opportunity for eight weeks of uninterrupted study, research and discussion with the seminar director and colleagues of similar professional background and interests. Seminar directors have a wide latitude of design seminars in their areas of interest. The seminars to be offered in 1982 will be announced in December. The deadline for submitting proposals to direct 1982 Summer seminars is July 1, 1981. The NEH contact is Mrs. Dorothy Wartenberg at 202-724-0376. (Ref. NEH Announcement)

(360-2) The National Endowment for the Humanities has set a June 1, 1981, deadline date for two fellowship programs, Fellowships for College Teachers and Fellowships for Independent Study and Research. For detailed information and application material contact Karen Fuglie for the first program and David Coder for the second, both at 202-724-0333. (Ref. NEH Announcement & OFP)

(360-1) International Travel Grants are available through the National Science Foundation to enable U.S. scientists to participate in international scientific meetings held abroad for the purposes of obtaining and exchanging science information and/or professional development. Individual travel grants are available, but the program's emphasis will be upon support of professional groups or non-profit organization's activities. Deadline July 1, 1981. For information contact Mildred Boslavec at NSF (202-357-9505). (Ref. OFP July Deadlines)



Where else would you study for finals on a nice day?

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Commission for filling. This announcement is made to that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., May 28, 1981. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

COUNSELOR, CAREER DEVELOPMENT AND PLACEMENT CENTER, University Park. Responsible to the Assistant Director for Career Counseling and Planning for providing career development and placement services at the University Park Campus. Master's degree (or equivalent) in clinical or counseling psychology, counselor education, student personnel administration, or related area, plus one to two years of effective experience required. This is a Fixed Term Appointment - Ten-month position beginning Aug. 15, 1981.

SENIOR MEDICAL TECHNOLOGIST, UNIVERSITY HEALTH SERVICES, University Park. Responsible for operation of laboratory and performance of a variety of standardized and specialized laboratory tests and procedures. Supervise and coordinate the performance of laboratory tests

Bachelor's degree and A.S.C.P. certification needed, plus two years of effective experience.

RESEARCH AIDE, COLLEGE OF AGRICULTURE, University Park. Responsible to research assistant and professor of dairy science for chemical analyses using recording spectrophotometer, enzyme assay, atomic absorption spectrophotometer, amino acid analyzer, electrophoresis and liquid gas and thin layer chromatography. Prepare, identify and count types of micromorphisms. Collect and prepare tissue samples for analyses. Assist in collection of data on experimental animals. Manage flow of samples through laboratories. Circulate results of experiments and summarize data. Prepare data for computer analyses. Operate and maintain laboratory equipment. Prepare charts and visual aids. Supervise and train technicians and graduate students. College-level courses in analytical, organic and inorganic chemistry, biological sciences, mathematics required, plus one to two years of effective laboratory experience with demonstrated ability to conduct independent research.

LIBRARY ASSISTANT, WORTHINGTON SCRANTON CAMPUS. Responsible to Campus Librarian for assistance in all phases of library operations. Supervise part-time personnel. Oversee circulation. Operate CRT for catalogue maintenance and editing, reserve, inter/intrabrary loan and book order procedures. Assist students and faculty with reference needs. Process library skills work books. Maintain specific collections. Prepare reports. Operate library in absence of librarian. Associate degree or equivalent, plus up to one year of effective experience required.

WRITER/EDITOR, PUBLIC INFORMATION AND RELATIONS, University Park. Responsible to the Manager of the News Bureau for developing subject ideas for news releases and for providing public information support to the News Bureau. Bachelor's degree in journalism or liberal arts and one to two years of effective experience.

CHIEF RADIOLOGIC TECHNOLOGIST, COLLEGE OF MEDICINE, HERSHEY. Responsible to the Administrative Manager, Department of Radiology, for administrative, staff advisory, and professional duties in supervising and directing the work of staff radiologic technicians and related supportive and auxiliary personnel in assigned area(s). A bachelor of science degree or equivalent education such as two to three years of college with courses principally in physics, chemistry or mathematics and an additional year of formal radiologic technology training in a school approved by the Council on Medical Education plus an additional two to four years of effective experience as a staff radiologic technician.

SUPERVISOR, STUDENT TRANSCRIPTS, OFFICE OF THE UNIVERSITY REGISTRAR, UNIVERSITY PARK. Responsible to the Director of Records for supervision and coordination of transcript production: student record actions (hold); transcript fee collection, accounting operation and deposit of fees; responses to legitimate requests for certification of attendance, class rank, and other related information from educational, industrial, domestic and foreign government sources. Prepare statistical and financial reports that can be used for planning and production control. Hire and train new employees. Associate degree in business administration or its equivalent, plus one to two years of related effective experience with student records and supervisory experience are required.

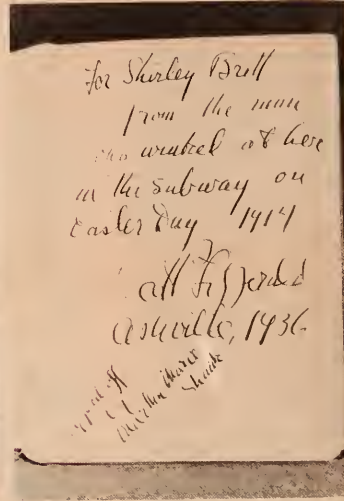
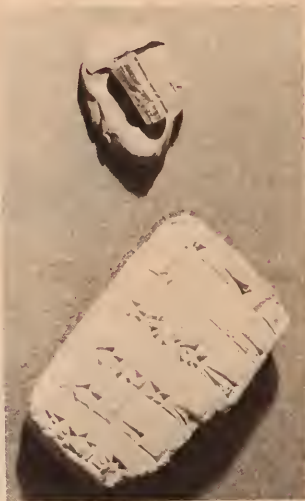
Commencement

(Continued from page 1)

professor of general engineering, who is retiring.
New Kensington, May 28, 7 p.m.,
Forum Theatre. Speaker: Dr. Stuart Forth, dean of Libraries.
Ogontz, May 29, 8 p.m., Physical Education Building. Speaker: Dr. Jeanne L. Smith, professor of psychology, who is retiring.
Schuylkill, May 30, 2 p.m., Multi-Purpose Building. Speaker: Joseph H. Jones, attorney with Williamson, Friedberg and Jones of Pottsville.
Worthington Scranton, May 29, 7 p.m., Multi-Purpose Building. Speaker: Dr. John C. Villanue, associate professor of business, who is retiring.
Shenango Valley, May 31, 2 p.m., Campus Auditorium.
Wilkes-Barre, May 30, 2 p.m., outside on campus (rainsite). George Bierly Auditorium. Speaker: Clayton A. Richmond Jr., member of Wilkes-Barre Campus Advisory Board and general manager of Hawk Oil Company.
York, May 28, 8 p.m., Student Community Center. Speaker: William W. Scranton III, Pennsylvania's lieutenant governor.



Treasures from Pattee



A Pattee potpourri — proving that a library is more than the sum of its books. Housed in the Rare Books Room are: Top row — The original typescript of the novel critics consider John O'Hara's best, "Appointment in Samara"; a set of Victorian blocks, a child's toy dating from about 1874. Second row — A medal commemorating Robert Falcon Scott's doomed polar expedition of 1912; a cuneiform tablet and seal; an inscription penned by F. Scott Fitzgerald on a copy of his novel, "Tender is the Night." And — One of a series of Japanese prints of the Ukiyoe genre, this one by Utagawa Kunisada (1786-1864); Ch'ing Dynasty coins from the early 19th century; a "book" containing a set of 381 poems by a Dutchman, Gerhart Tersteegen, published in Germantown, Pa., in 1743.

Penn State Intercom



New Senate officers from left: Chairman-elect Joseph Dixon, Chairman Nancy Tischler, Secretary Carol Cartwright.

Senate installs 1981-82 officers, passes three legislative reports

Curriculum, Capitol subjects of legislation

With mingled feelings of "exhaustion" and "satisfaction," Senate Chairman George Franz turned over his gavel to his elected successor, Dr. Nancy M. Tischler, professor of English and humanities at Capitol Campus.

In his brief farewell remarks at the Senate's June 2 meeting, Dr. Franz, an assistant professor of history at Delaware County, noted his belief that the Senate had made progress this year in effectively exercising its advisory and consultative responsibilities.

"We must insist that academic quality be maintained and strengthened throughout the University and that decisions not be solely budget driven," he said.

Adding that he also felt some frustration, Dr. Franz expressed disappointment that revisions to PS-23 had not been completed and that the Senate had not begun discussing the question of effective evaluation of instruction.

Turning to the future, he said: "I think we have a great deal to be proud of at Penn State... we are really in much better

(Continued on page 3)

Names of faculty elected to committees reported

Nancy M. Tischler, professor of English and humanities at Capitol Campus, has been elected chairman of the Senate for the 1981-82 academic year.

Other faculty members elected by the Senate membership include:

Chairman-elect: Joseph A. Dixon, professor of education and acting associate

dean for academic affairs in the Commonwealth Educational System (see story on page 2).

Faculty Advisory Committee to the President: Irwin Feller, professor of economics; Patricia M. Overdeer, professor of mathematics at Ogontz.

Faculty Rights and Responsibilities: University Park, Miles T. Pigott, professor

(Continued on page 8)

Plant Pathology head to be new dean of Agriculture

Dr. Samuel H. Smith, professor and head of Plant Pathology, will become dean of the College of Agriculture on July 1.

Dr. Smith, who succeeds retiring Dean James M. Beattie, also will be director of Penn State's Agricultural Experiment Station and director of the Cooperative Extension Service.

"I am extremely pleased that Dr. Smith has agreed to accept this crucial and challenging position," President Oswald told the Board of Trustees, which approved the appointment at its May 29 meeting.

"The new dean has proven himself an important scholar, as well as a bright and able administrator," Dr. Oswald said. "His demonstrated concern for quality in research, education and the various service functions of his college will allow him to continue Penn State's long tradition of advancing the cause of agriculture in the State and nation."

Commenting on his appointment, Dr. Smith said: "I see this as a great opportunity to work with an extremely fine college and with an excellent faculty and staff. I intend for the college to continue its agricultural leadership in the nation through its programs in teaching, research and extension."

A native of Salinas, Cal., Dr. Smith, 41, earned a bachelor's degree in plant pathology from the University of California at Berkeley in 1961. He received a doctorate in plant pathology from Berkeley in 1964 and studied as a North Atlantic Treaty Organization post-doctoral fellow at Glasshouse Crops Research Institute in Sussex, England.

After four years on the Berkeley faculty,



Samuel Smith

Dr. Smith joined Penn State in 1969 as associate professor of plant pathology in the Fruit Research Laboratory at Ardenstville, Pa. He came to University Park in 1971 and was promoted to full professor in 1974.

Since 1976, he has been head of the Department of Plant Pathology, and since 1978, he also has served as a U.S. Department of Agriculture plant pathologist.

Dr. Smith's research has centered on various aspects of plant virology, including location of sites of nucleic acid synthesis in virus-infected plant cells, physiology of resistance to plant viruses and virus-induced susceptibility to fungus infection.

He has published more than 100

(Continued on page 6)



James Ryan



David Otto

Two campus directors named; Otto to head Beaver and Ryan to take Wilkes-Barre post

Dr. James H. Ryan, director of the Division of Continuing Studies and associate professor of continuing studies and public and environmental affairs at Indiana University at South Bend, has been named director of the Wilkes-Barre Campus. He will succeed Dr. Nils Parr who has been acting director at Wilkes-Barre since George Bierly's retirement in October.

Dr. Parr will resume his regular responsibilities as associate director for academic affairs when Dr. Ryan arrives in August.

"I am extremely pleased that Dr. Ryan

(Both these stories continue on page 8)

David B. Otto of Beaver has been named director of the Beaver Campus, effective immediately. President Oswald also announced that he has authorized an immediate search for an associate director for academic affairs for the Campus.

Concerning Mr. Otto's selection from among more than a hundred applicants, Dr. Oswald said: "His truly outstanding performance as interim and acting director of the Campus made him an obvious choice for the position."

"Under his direction, the Campus has improved in many areas. This has been a broad and balanced development, ranging

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Penn Staters

Dr. John F. Brugel, director of Student Aid, has been named to the Committee on Student Financial Assistance of the National Association of State Universities and Land-Grant Colleges. The group, which includes five university presidents, will analyze various federal proposals on student assistance in terms of their impact on land-grant institutions and attempt to initiate positions to assist such institutions in meeting the economic challenges ahead. Dr. Brugel was also elected president this spring of the Pennsylvania Association of Student Financial Aid Administrators.

Dr. Warren C. Robinson, professor of economics and director of Penn State's Population Issues Research Center, has been invited to give a series of lectures on population and development planning at Fudan University in Shanghai this summer. His lectures are part of a series sponsored by the United Nations Department of Technical Cooperation and the Chinese Ministry of Education.

Nicholas Gavrilis, assistant professor of philosophy at McKeesport, has been awarded a summer research grant by the National Endowment for the Humanities. He will attend a summer seminar at Brown University on "The Origins of the Concept of Freedom in the Ancient World." This is the second NEH award granted to Professor Gavrilis, who also worked in the philosophy department of Boston University in 1978 on "The Concept of Virtue in 4th Century Athens and 18th Century Scotland."

Dr. Troy Thomas, assistant professor of humanities and art at the Capitol Campus, has been awarded a summer study fellowship from the National Endowment for the Humanities to study the art of the Counter Reformation at Columbia University.

Dr. Thomas A. Hale, associate professor of French and comparative literature, has been elected president of the African Literature Association (ALA). One of the founders of ALA, he previously served the 500-member international organization as secretary-treasurer.

Dr. Jan S. Prybyla, professor of economics, has been named to the executive advisory board of the *International Trade Law Journal* published by the University of Maryland School of Law.

Henry W. McCoullum, an instructor and director of Project Upward Bound in the College of Human Development, was inaugurated as president of The Mid-Eastern Association of Educational Opportunity Program Personnel (MEAEOPP) at their Fifth Annual Conference in Williamsburg, Va.

Dr. Mary L. Willard, professor emerita of chemistry, received the 1981 Lion's Paw Medal Award last weekend at the alumni reunion All-Class Luncheon. Honored for her service to the University, Dr. Willard was a faculty member from 1927 to 1964. Born on campus, she is the daughter of the late Joseph Willard, who served as head of the math department. She earned her B.S. and M.S. degrees at Penn State and her Ph.D. at Cornell. In 1965, she was named a Distinguished Alumna of Penn State for her activities as a chemical microscopist and forensic scientist.

Dr. Joseph J. Eisenhuth, associate professor of aerospace engineering, was honored as outstanding faculty adviser in the College of Engineering at the College's annual honors day luncheon.

Dr. Frank F. Aplan, professor of mineral processing, recently participated in the First Australian Coal Preparation Congress at Newcastle, New South Wales, presenting an invited paper, "Depression of Coal by Starches and Starch Derivatives

during Coal Flotation." He also lectured on "The Response of Coal, Mineral Matter and Locked Particles in a Coal Flotation System" to the staff of the division of mineral engineering of the Commonwealth Scientific and Industrial Research Organization in Melbourne.

Appointments



Dr. Phillip Cartwright, professor of special education, has been named head of the Division of Special Education and Communication Disorders in the College of Education.

A Penn State faculty member since 1967, Dr. Cartwright was professor in charge of the program in special education from 1975 to 1980 and served as acting head of the Division during the past academic year, as well as from 1976 to 1978.

In 1970, he collaborated with his wife—Dr. Carol A. Cartwright, a professor of education in the Division of Curriculum and Instruction—to develop and produce the first full-length college or university extension course taught entirely by computer. Dubbed CARE (for Computer-Assisted Remedial Education) and funded by a \$379,000 federal grant, the computer-based courses were developed to help teachers identify and work with mildly handicapped children.

The Cartwrights have co-authored four textbooks; the most recent is *Educating Special Learners*, issued in March by Wadsworth Publishing Company. Accompanying the text is a 250-page teacher's manual, *Activities, Guidelines and Resources for Teachers of Special Learners*, the first special education resource book to appear.

Dr. Cartwright received his B.S. in psychology and his M.S. in special education, both from the University of Illinois. His Ph.D. in special education was granted by the University of Pittsburgh.

Dr. Carol A. Cartwright, professor of education, was named acting associate dean for academic affairs in the Commonwealth Educational System, effective June 1.

Dr. Cartwright, also professor in charge of graduate programs in the Division of Curriculum and Instruction, succeeds Dr. Clays L. Ritchie, who resigned to take a position with a management firm.

Dr. Cartwright will serve as a liaison between System faculty members in all disciplines and at all locations and their academic departments at University Park. In addition, she will rely on her wide-ranging experience in teaching methods to further utilization of instructional systems such as computers and television throughout the System.

A member of the faculty since 1967, Dr. Cartwright has served in numerous University leadership positions, including being chairperson of the Task Force on Faculty and Staff for the *Perspective on the '80s*. A member of the Calendar Conversion Council, she was elected secretary of the University Faculty Senate for the 1981-82 academic year. In 1978, Dr. Cartwright received a Provost's Fellowship for the Summer Institute for Women in Higher Education Administration at Bryn Mawr College.

Her B.Ed. in early childhood education was granted by the University of

Wisconsin-Whitewater and her M.Ed. and Ph.D., both in special education, by the University of Pittsburgh.

Dr. Rodney A. Erickson, associate professor of geography, has been appointed director of the Pennsylvania Economic Analysis Program in the Center for Research of the College of Business Administration.

"The post is a new one," according to Dr. Paul H. Rigby, director of the Center for Research. "It was created to recognize the expanding importance of regional economic analysis in Pennsylvania." The Pennsylvania Economic Analysis Program publishes the monthly "Pennsylvania Business Survey," which is edited by Alice Warne.

Dr. Erickson will serve half-time, beginning July 1, and will retain his affiliation with the Department of Geography. In addition, he will be affiliated academically with the Departments of Marketing and of Business Logistics in the College of Business Administration.

Dr. Robert E. Shute, assistant professor of health education, has been named director of the Office for the Protection of Human Subjects, effective June 1.

Dr. Shute, who was appointed to the half-time position by Dr. R. C. Cunningham, vice president for research and graduate studies, will assist faculty and student investigators, as well as review committee members, to expedite necessary reviews and work to achieve a high level of protection for human subjects. He will be responsible also for maintaining close contacts with DHHS officials in following the development of regulations covering the protection of human subjects.

All activities calling for the use of people as subjects in University research, continuing education or instructional projects, whether sponsored or unsponsored, must be reviewed by either the Biomedical or the Behavioral and Social Sciences Review Committees. These committees are comprised of senior faculty and staff, plus non-University members.

Guidelines for the preparation of review materials are given in "Human Subjects, Policy and Procedures," a manual available from the Human Subjects Office, Room 312 Willard Building. The office telephone number is 865-1775.

Partings

Ferdinand J. Buechele, audio visual technician in Continuing Education, retired May 30. He had served in that position since being employed by the University in 1953.

Noting that his retirement plans are "indefinite but include a lot of relaxing," Mr. Buechele is moving from his Petersburg residence to an area near the Shavers Creek Dam at the Stone Valley Recreation Area.

Mr. Buechele is a veteran of World War II and the Korean War and has been active with both the American Legion and the Veterans of Foreign Wars.

George M. McConnell, a maintenance worker at Ogonet, retired May 2 after serving at the Campus since April 28, 1971.

Patricia J. Geist, a secretary in Business Administration, left the University May 16. She was employed between 1964 and 1970 and again from 1976 until her leaving.

Promotions

Staff Exempt

Dean D. Amick to manager, Central Milk Testing Laboratory, in Agriculture.

Cheryl A. Dively to supervisor, liaison service, Outpatient Lab and Student Labs at Hershey.

Arnun R. Eichelberger to assistant manager, student loans and scholarships, in Controller's Office.

Jacqueline M. Francis to manager, Admissions Department, at Hershey. Denise D. Gibson to certified pediatric nurse practitioner at Hershey. George E. Olson to manager, payroll, in Controller's Office. James D. Stever to accountant in Controller's Office.

Staff Non-Exempt

Rebecca Falk to senior staff nurse at Hershey. Daniel J. McBride, Jr. to senior research technician at Hershey.

Clerical

Carol Amman to secretary C in Earth and Mineral Sciences. Deborah A. Brooks to correspondence typist A in Health, Physical Education and Recreation.

Melinda B. Comfort to clerk typist A in Personnel Administration.

Cynthia S. Dunmire to secretary C in Continuing Education.

Catherine L. Guyer to secretary B in Human Development.

Lou Hall to clerk-expeditor at Hershey. Pamela D. Hillard to secretary B in Business Administration.

Mary D. Hunt to secretary in Student Administrative Services. Sherry Lightner to clerk, typist A in Agriculture.

Judy A. Marconi to secretary A in Continuing Education.

Nancy McGinnis to secretary C in Intercollege Research Programs.

Patricia A. Pontowski to senior clerk at Ogonet.

Jeannette J. Willower to clerk A at Applied Research Laboratory.

Technical Service

Arthur J. Coble to stores clerk at Hershey. Gary Green to locksmith hardware maintenance worker apprentice in Physical Plant.

John M. Jones to audio visual technician in Continuing Education.

Ralph Leach to operating mechanic in Physical Plant.

Lynford T. Reichert to laboratory technician A at Hershey.

Terry L. Rogers to mail clerk security guard at Applied Research Laboratory.

Bruce W. Tindal to agronomy technician (small grains) in Agriculture.

Obituaries

Dean E. McFarland, a staff pilot with Business Services, died May 29. Mr. McFarland, an Altoona native, was 56. He had been flying for the University since 1966.

Ruth V. Shirey, a secretary in the College of Agriculture from 1937 until her retirement in 1958, died March 20. She was 88.

George H. Gearhart, a heating and ventilating technician with the Office of Physical Plant when he retired in 1975, died May 22. He was 67. Mr. Gearhart worked with Physical Plant during his entire University career, which began in 1946 when he was hired as a power plant operator.

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Senate

(Continued from page 1)

shape than we give ourselves credit for. . . .

"Moreover, I believe our system of shared governance works and works effectively. As I have served in various capacities in the Senate, I have been struck with the very high degree of cooperation that exists between the instrumentalities of the Senate and the various administrative offices. I do not think faculty realize how their role in the governance of this University has been enhanced during the last 10 years."

After accepting the gavel, Dr. Tischler offered her first remarks as chairman of the Senate, focusing on the significant role the Senate plays in the academic life of the University.

"I see the faculty as the heart of the University, and because I see the Senate as the guardian of the rights of the faculty, I am especially proud to be the representative of these 3,300 remarkable and diverse people," she said.

Observing that she is "impressed by the very real power of this body," Dr. Tischler said the Senate constitution provides it "with the central role in the University community—the control of the curriculum."

But to exercise this power fully and effectively, Dr. Tischler called upon the Senate to recognize, in addition to its diversity, a University-wide sense of "solid community."

"Our challenge," she explained, "is to build a community that is inclusive of all of us. . . . Let's look at one another's needs and respond to one another's concerns; and let's share."

In looking to the year, Dr. Tischler emphasized her intention to involve as many Senators as possible in active Senate participation. She added she is seeking to meet with as many Senators as she can over the summer and in the fall will present an agenda culled from ideas expressed at these meetings.

Before the installation of new officers, the Senate conducted its final session of the current academic year, passing three legislative reports and hearing a number of informational reports. President Oswald, in his comments, told the Senate that the University would present its budget proposal to the Board of Trustees during the Board's July 11-12 meeting at the O'Keefe Campus.

Provost Eddy also addressed the Senate, outlining the University's implementation thus far of its *Perspective on the '80s* (see story on page 1).

In legislative action, the Senate approved two proposals from the Committee on Curricular Affairs, to become effective when the early semester calendar is adopted. The first establishes a new set of baccalaureate program categories and definitions; the second sets common course codes for special types of instruction.

The new structure of program definitions allows for minors as a supplement to major programs of study. It also describes majors as being the most basic program of concentration within a baccalaureate degree program; options may be designated within majors.

Additionally, for purposes of clarifying baccalaureate programs of study, the listing identifies the current categories of multiple majors and simultaneous degree programs that students may elect.

In the second proposal, the Senate adopted three categories of common course codes:

— "294, 494 Research Projects (1-12). Supervised student activities on research projects identified on an individual or small group basis. A specific title may be used in each instance and will be entered on the student's transcript."

— "199, 399, 499. Foreign Studies (1-12). Courses offered in foreign countries by individual or group instruction. A specific title may be used in each instance and will be entered on the student's transcript."

— Individualized Instruction. Courses that are to be offered in an individualized instruction mode will be identified with the suffix "J" in the body of the catalog.

In addition, the Undergraduate Catalog shall not include any courses specifically titled as thesis courses, since these are not required by undergraduate degree programs.

"In cases where students are expected to undertake a thesis project or write a thesis paper, the student can be registered in an Independent Study (296 or 496) or a Research Project (294 or 494) course. In either case, a specific title using the term *thesis* can be used for individual students and can be entered on the student's transcript."

The Curricular Affairs Committee also presented an informational report on "Course Credits and Loads Under the

Proposed Semester System," which provides an example of how the University's present system might be arithmetically translated into the semester system. For example, a semester hour of credit would require approximately three 55-minute periods per week of an average student's time under the proposed 14-week semester system. The distribution of that time between class activities and outside preparation would vary from course to course; however, according to Senate Policy 42-23, for the average student, a total of at least 40 hours of work planned and arranged by the University faculty is required to gain one credit.

In other legislative action, the Senate adopted a proposal from the Senate Council to modify the Bylaws dealing with the Delegation of Authority and Responsibility to the Capitol Campus. The Senate professed itself satisfied that Capitol Campus is operating well, that its programs and rules are appropriate, and that a specified review by the Senate is not necessary.

In its last informational report, the Intra-University Relations Committee (which will cease by Senate action at the close of the year), noted several problem areas regarding faculty participation in department, college and campus governance. The Committee reiterated its position that policy making, the establishment of priorities, academic personnel decisions, and program development and review take place at all organizational levels within the University, and should substantially involve the faculty, including specifically their participation in the establishment of general priorities that underlie these activities.

In addition, the Committee reminded senators of the following avenues to remedy problems of governance:

"We are a collegial faculty and each one of us should feel free to communicate with anyone else within the university system.

If faculty members feel that there is a problem with the consultative process within their department, they should communicate that to their dean. If it is a college problem, they can communicate to the Vice President for the Commonwealth Educational System or the Provost. Obviously, they should encourage their colleagues to do the same so they are not 'one voice in the wilderness.' In addition there is another procedure in place that can be used when the complaint is relative to

consultation on courses or programs. The Senate Curricular Affairs Committee Blue Sheet procedure gives each and every one of us the capability of placing HOLDS on courses or programs. If you have not been consulted about a program or course which impacts on you and your location, you are free to place a hold and make known your difficulties relative to the program or course. The Committee cautions, however, that one must be sure to differentiate between having been consulted and differing with the final action."

In one of three oral informational reports, Dr. Ernest Bergman, chairman of the External Affairs Committee, described the Committee's meetings with State legislators and said such meetings are productive and should be continued. The Committee further recommended that all University campuses should foster closer contacts with their legislators. University staff responsible for legislative relations were complimented on their work.

The second oral informational report was presented by Dr. Philip A. Klein, chairman of the Faculty Rights and Responsibilities Committee. Summing up his experiences during the past year, Dr. Klein noted that only a small number of cases had reached the Committee. Based on this sampling, he advocated a "no surprises doctrine." This means, he explained, that everyone who contributes to PS-23 dossiers should try to be as accurate and forthcoming as possible during the entire review process.

One of the main concerns voiced to the Committee, he said, was by candidates who had received no complaints about their work during their first two reviews and were thus completely surprised by a final negative decision. Dr. Klein also pointed to another problem, that of changing expectations between the time a candidate is hired and a tenure decision is made.

The third oral report was given by Dr. Robert Friedman, a member of the Provost's Advisory Committee on Planning and Budget. He stressed the extent of faculty participation in the budget and planning process.

In addition, the Senate heard informational reports from the Student Affairs, Awards and Scholarships Committee, which reported that \$76,400 has been awarded students for 1981-82; and on the Undergraduate Instruction Center, reporting on nonclassroom testing.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling employment with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

DIRECTOR OF DEVELOPMENT—STATE 4-H PROGRAM, COLLEGE OF AGRICULTURE. University Park. Responsible to the State 4-H Program Director and Board of Directors of Pennsylvania Friends of 4-H for private fund-raising programs and activities for the 4-H Programs throughout the Commonwealth. Develop and establish a staff and plans to include annual giving, estate planning, special and major gifts, and deferred gift programs. Coordinate and work closely with the Office of Gifts and Endowments. Provide a resource for college volunteers and staff in the planning and implementation of local fund-raising projects and training workshops. Serve as secretary/treasurer of the Pennsylvania Friends of 4-H. Act as liaison between the Pennsylvania Friends of 4-H and the College of Agriculture. Bachelor's degree (or equivalent) with four to seven years' effective experience in fund raising and public relations and related areas; interest in community relations; experience in public speaking and preparing written and visual promotional material.

CONTRACTS AND PROPOSALS SPECIALIST, PRESIDENT'S OFFICE. University Park. Responsible to Associate Director for meeting

requirements of the University and various Federal agencies with respect to negotiation of contracts, sub-contracts and grants, and to assist with proposals, agreements, review, and recommendations to acceptance of contracts and grants. Negotiate prime contracts, agreements, sub-contracts, and grants involving research, instruction, continuing education programs with the federal and state government, and others. Assist with preparation of proposals, analyze and review them with the faculty in the colleges and departments for conformity with University policies and proposal requirements of prospective sponsors. Bachelor's degree or equivalent in business, with some accounting training, plus four to seven years of effective experience required. Familiarity with University and governmental accounting procedures and policies and use of computers as related to functions described.

STAFF PILOT, OFFICE OF BUSINESS SERVICES. University Park. Staff pilot on University-owned medium twin engine conventional aircraft. Responsible to Chief Staff Pilot for scheduling and performance of twin engine conventional aircraft in transporting University personnel on authorized business flights. Adhere to Transport Pilot Certificate and experience in multi-engine aircraft required.

HEALTH EDUCATOR, UNIVERSITY HEALTH SERVICES. University Park. Responsible to Director, Riemann Health Center, for developing and administering a program of Health Education for the University community which will bring specific and pre-determined influences on individual and groups within the community which will favorably influence the habits, attitudes and knowledge relative to personal and community health, a bachelor's degree (or equivalent) in health education, health services, health and safety or a similar health-related field, plus a minimum of three years of effective experience necessary.

GRAPHIC ARTIST, COLLEGE OF MEDICINE. Hershey. Responsible to the Department Head of Medical Illustration for the design and production of graphics as requested by clients. Create designs and layouts for books, manuals, brochures, flyers,

pamphlets, cover designs, forms, etc. Design minor arts, forms, symbols, logos, and other simple artistic designs. Prepare the final production of the designs described above, prepare materials for printers and mock-ups for exhibit construction. Operate various equipment in the production of graphic art services, such as headline, letter lining, varigraph, artograph, photoalt, plate burner, plate processing, transfer lettering, etc. Equivalent to an associate degree from an art or drafting trade school and one to two years of related experience.

COUNSELOR, CAREER DEVELOPMENT AND PLACEMENT, UNIVERSITY PARK. Responsible to the Assistant Director for Career Counseling and Planning for providing career development and placement services at the University Park Campus. Master's degree in clinical or counseling psychology, counselor education, student personnel administration, or related area, plus one to two years of effective experience are required.

PROGRAMMER/DOCUMENTOR, COLLEGE OF ENGINEERING, UNIVERSITY PARK. Write scientific and engineering applications software for courses and specific research projects, using on-line terminals and editors. Modify existing programs and files. Document existing and new programs, software packages, and computer laboratory facilities. Develop standardized documentation formats and procedures. Associate degree (or equivalent) in computer science or a related field, plus one year and up to and including two years of effective experience with programming are required, with course work in calculus and science or engineering preferred.

COORDINATOR OF SERVICES FOR DISABLED, STUDENT AFFAIRS, UNIVERSITY PARK. Responsible for development and implementation of programs and services for handicapped students, faculty and staff. Serve as advisor to disabled student organizations, clubs or groups. Provide leadership to increase awareness and skill of students, staff and faculty to deal effectively with the needs of students with physical disabilities. Be aware of state and federal policies and regulations regarding disabled individuals and inform personnel, committees, etc. of changes in

regulations. Master's degree (or equivalent) in rehabilitation counseling or related field with two to three years of effective experience.

ADMINISTRATIVE ASSISTANT FOR ACADEMIC AFFAIRS, COMMONWEALTH EDUCATIONAL SYSTEM, HAZLETON CAMPUS. Responsible for conducting undergraduate enrollment, academic advising, educational counseling and career and personal counseling. Develop schedule of classes, including course, faculty and room assignments. Supervise maintenance of student academic records. Master's degree in counseling, or equivalent, plus two to four years of effective experience in college level advising and counseling.

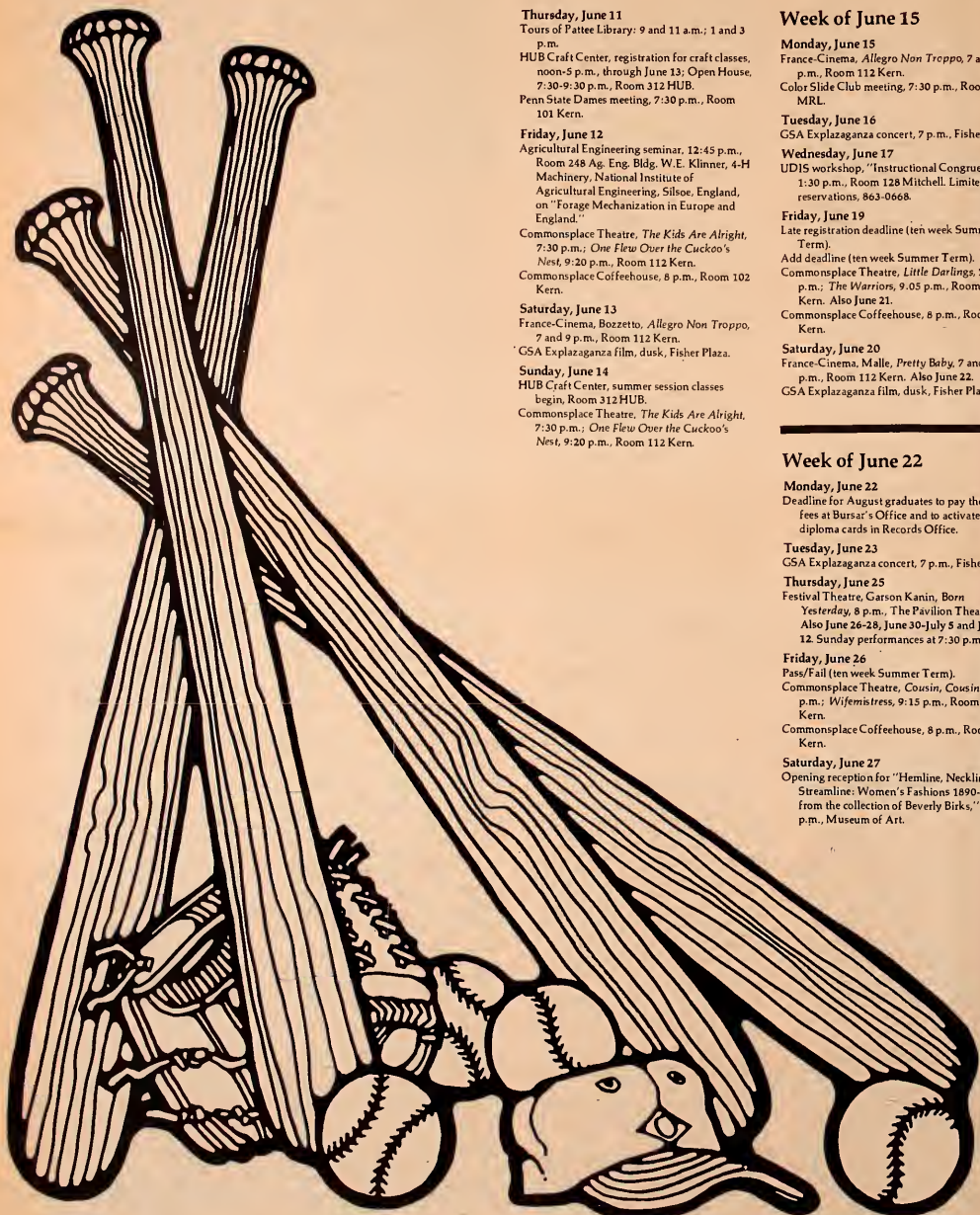
GRADUATE ASSISTANTS COUNSELOR/RECRUITER, CAPITAL CAMPUS. Responsible to Associate Dean for Graduate Studies for the graduate admissions process, which includes counseling and interviewing prospective graduate students, making admission decisions, developing and implementing strategies for recruitment of graduates from four-year institutions, devising media presentations, coordinating with graduate program faculty, monitoring specific recruitment efforts directed at minority students and supervising full-time and casual employees. Master's degree, or its equivalent, in counseling, psychology or a closely related field, plus one year and up to two years of effective experience in higher education and community liaison work are required. Supervisory experience is desirable.

Student Aid will accept work study job proposals

Members of the University community who have never participated but are interested in employing students through the College Work Study Program for the 1981-82 academic year should contact the Office of Student Aid (863-0336).

University Park Calendar

Summer Term 1981



Thursday, June 11

Tours of Pattee Library: 9 and 11 a.m.; 1 and 3 p.m.

HUB Craft Center, registration for craft classes, noon-5 p.m., through June 13; Open House, 7:30-9:30 p.m., Room 312 HUB.

Penn State Dames meeting, 7:30 p.m., Room 101 Kern.

Friday, June 12

Agricultural Engineering seminar, 12:45 p.m., Room 248 Ag. Eng. Bldg. W.E. Klinger, 4-H Machinery, National Institute of Agricultural Engineering, Silsoe, England, on "Forage Mechanization in Europe and England."

Commonsplace Theatre, *The Kids Are Alright*, 7:30 p.m.; *One Flew Over the Cuckoo's Nest*, 9:20 p.m., Room 112 Kern.

Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, June 13

France-Cinema, Bozzetto, *Allegro Non Troppo*, 7 and 9 p.m., Room 112 Kern.

GSA Explazaganza film, dusk, Fisher Plaza.

Sunday, June 14

HUB Craft Center, summer session classes begin, Room 312 HUB.

Commonsplace Theatre, *The Kids Are Alright*, 7:30 p.m.; *One Flew Over the Cuckoo's Nest*, 9:20 p.m., Room 112 Kern.

Week of June 15

Monday, June 15

France-Cinema, *Allegro Non Troppo*, 7 and 9 p.m., Room 112 Kern.
Color Slide Club meeting, 7:30 p.m., Room 189 MRL.

Tuesday, June 16

GSA Explazaganza concert, 7 p.m., Fisher Plaza.

Wednesday, June 17

UD15 workshop, "Instructional Congruency," 1:30 p.m., Room 128 Mitchell. Limited reservations, 863-0668.

Friday, June 19

Late registration deadline (ten week Summer Term).

Add deadline (ten week Summer Term).

Commonsplace Theatre, *Little Darlings*, 7:30 p.m.; *The Warriors*, 9:05 p.m., Room 112 Kern. Also June 21.

Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, June 20

France-Cinema, Malle, *Pretty Baby*, 7 and 9 p.m., Room 112 Kern. Also June 22.

GSA Explazaganza film, dusk, Fisher Plaza.

Week of June 22

Monday, June 22

Deadline for August graduates to pay these fees at Bursar's Office and to activate diploma cards in Records Office.

Tuesday, June 23

GSA Explazaganza concert, 7 p.m., Fisher Plaza.

Thursday, June 25

Festival Theatre, Carson Kanin, *Born Yesterday*, 8 p.m., The Pavilion Theatre.

Also June 26-28, June 30-July 5 and July 7-12. Sunday performances at 7:30 p.m.

Friday, June 26

Pass/Fail (ten week Summer Term).

Commonsplace Theatre, *Cousin, Cousine*, 7:30 p.m.; *Wifemistress*, 9:15 p.m., Room 112 Kern.

Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, June 27

Opening reception for "Hemline, Neckline, Streamline: Women's Fashions 1890-1940 from the collection of Beverly Birks," 3-5 p.m., Museum of Art.

ance-Cinema, Cousin, Cousine, 7:30 p.m.; French Postcards, 9:15 p.m., Room 112 Kern.

Nittany Mountain Summer Festival, "A Party with Betty Comden and Adolph Green," 8 p.m., Eisenhower Auditorium.

SA Explazaganza film, dusk, Fisher Plaza.

Monday, June 28
Commonsplace Theatre/France-Cinema, French Postcards, 7:30 p.m.; Wife/mistress, 9:15 p.m., Room 112 Kern.

Week of June 29

Monday, June 29
Penn State Scholars Program, through July 2, 8 a.m.-5 p.m. (ten week Summer Term).
Registration for eight, six and three week Summer Terms, 1-4:30 p.m., Activities Room, IM Bldg.
Commonsplace Theatre/France-Cinema, Cousin, Cousine, 7:30 p.m.; Wife/mistress, 9:15 p.m., Room 112 Kern.

Tuesday, June 30
Eight week Summer Term classes begin, 8 a.m.-drop deadline (ten week Summer Term).
Pass/Fail (ten week Summer Term).
Course repeat deadline (ten week Summer Term).
SA Explazaganza concert, 7 p.m., Fisher Plaza.

Wednesday, July 1
Commonsplace Theatre, *The Hobbit*, 7:30 and 9 p.m., Room 112 Kern. Also July 2.

Thursday, July 2
Festival Theatre, *Once Upon a Mattress*, 8 p.m., The Playhouse. Also July 3-5, 7-12 and 14-16. Sunday performances at 7:30 p.m.

Friday, July 4
Independence Day.

Saturday, July 5
Alumni Assn., Vacation College, "Shaping the 80's," through July 11. Information: 865-6516.
Evening reception for CPFA, Festival Gala, 7-9 p.m., Museum of Art.

Week of July 6

Monday, July 6
Deadline for August graduates to deliver doctoral theses to Committee.
France-Cinema, Renoir, *Rules of the Game*, 7 and 9 p.m., Room 112 Kern.
Interdisciplinary Symposium on Value, 7:30 p.m., Room 101 Kern. Chris Johnstone, speech, Delaware Campus, on "Ethics, Communication and the Pursuit of Wisdom: Creating Humane Knowledge."

Tuesday, July 7
Registration deadline (eight week Summer Term).
Drop deadline (eight week Summer Term).
Registration deadline for Fall Term 1981.
Phi Delta Kappa Summer Seminar Series, 2:20 p.m., Room 101 Kern. Don Smitley, community liaison, International Year of the Disabled Person, speaker.
GSA Explazaganza concert, 7 p.m., Fisher Plaza.
Annual Central Pennsylvania Festival of the Arts (CPFA), opening ceremonies and street dancing, evening, downtown.

Wednesday, July 8
CPFA, Children's Day, 10 a.m.-10 p.m.

Thursday, July 9
CPFA, sidewalk sales and exhibitions, noon-midnight, campus and downtown.
Penn State Dames meeting, 7:30 p.m., Room 101 Kern.

Friday, July 10
Board of Trustees meeting, Ogontz Campus.
CPFA, sidewalk sales and exhibitions, 9 a.m.-midnight, campus and downtown.
Commonsplace Theatre, *Being There*, 7 p.m.; 10-9:15 p.m., Room 112 Kern. Also July 12.
Nittany Mountain Summer Festival, John Hartford, bluegrass music, 7 and 9 p.m., Eisenhower Auditorium.

Saturday, July 11
Board of Trustees meeting, Ogontz Campus.
Deadline for August graduates to deliver master's theses or papers to adviser.
CPFA, sidewalk sales and exhibitions, 9 a.m.-midnight, campus and downtown.
France-Cinema, Bruni, *Bread and Chocolate*, 7 and 9 p.m., Room 112 Kern. Also July 13.
Nittany Mountain Summer Festival, New American Ragtime Ensemble, 8 p.m., Eisenhower Auditorium.
GSA Explazaganza film, dusk, Fisher Plaza.
Sunday, July 12
CPFA, sidewalk sales and exhibitions, noon-midnight, campus and downtown.

Week of July 13

Monday, July 13
Deadline for August graduates to take final oral doctoral examinations and to submit camera-ready thesis manuscripts to Thesis Office.

Tuesday, July 14
Pass/Fail (eight week Summer Term).
Phi Delta Kappa Summer Seminar Series, 2:20 p.m., Room 101 Kern. George Bonham, Council on Learning and Change magazine, speaker.
GSA Explazaganza concert, 7 p.m., Fisher Plaza.

Wednesday, July 15
Pass/Fail (eight week Summer Term).

Thursday, July 16
Drop deadline (eight week Summer Term).
Pass/Fail (eight week Summer Term).
Course repeat deadline (eight week Summer Term).

HUB Craft Center, Open House, 7:30-9:30 p.m., Room 312 HUB.
Fred Waring Summer Youth Concert, 8 p.m., Schwab.

Friday, July 17
Commonsplace Theatre, "Richard Pryor Live in Concert," 7:30 p.m.; *Roadie*, 9 p.m., Room 112 Kern. Also July 19.
Fred Waring Summer Youth Concert, 8 p.m., Schwab.
Nittany Mountain Summer Festival, Joffrey II Dancers, 8 p.m., Eisenhower Auditorium.

Saturday, July 18
Deadline to register for second session classes.
HUB Craft Center, Room 312 HUB.
France-Cinema, Truffaut, *Small Change*, 7 and 9 p.m., Room 112 Kern. Also July 20.
Nittany Mountain Summer Festival, Joffrey II Dancers (new program), 8 p.m., Eisenhower Auditorium.
GSA Explazaganza film, dusk, Fisher Plaza.

Sunday, July 19
Alumni Assn., Vacation College, "Swamping the Senses," through July 25. Information: 865-6516.
HUB Craft Center, second session classes begin.

Week of July 20

Monday, July 20
Color Slide Club meeting, 7:30 p.m., Room 189 MRL.

Tuesday, July 21
Deferred grade deadline.
Phi Delta Kappa Summer Seminar Series, 2:20 p.m., Room 101 Kern. J. Robbins Kidd, International Council of Adult Education, Toronto, on "The Affirmers: First Person Reports of Learning and Implications for Research and Practice."
GSA Explazaganza concert, 7 p.m., Fisher Plaza.

Thursday, July 23
Festival Theatre, Ernest Thompson, On Golden Pond, 8 p.m., The Pavilion Theatre. Also July 24-26, 27-28-August 2, August 4-9. Sunday performances at 7:30 p.m.

Friday, July 24
Commonsplace Theatre, *Foxes*, 7:30 p.m.; *The Rose*, 9:20 p.m., Room 112 Kern. Also July 26.

Saturday, July 25
France-Cinema, *Wet, Picnic at Hanging Rock*, 7 and 9 p.m., Room 112 Kern. Also July 27.
Nittany Mountain Summer Festival, Mel Tillis, 7:15 and 9:30 p.m., Eisenhower Auditorium.
GSA Explazaganza film, dusk, Fisher Plaza.

Week of July 27

Monday, July 27
Deadline for August graduates to deliver theses to Graduate School and for departments to certify to Graduate School completion of required papers for August graduates.

Tuesday, July 28
First day to sign Fall Term ND5L and University Long Term Loans, Room 108 Shields.
GSA Explazaganza concert, 7 p.m., Fisher Plaza.

Thursday, July 30
Festival Theatre, Jacobs/Casey, *Grease*, 8 p.m., The Playhouse. Also July 31-August 2, August 4-9 and August 11-16. Sunday performances at 7:30 p.m.

Friday, July 31
Commonsplace Theatre, *Take the Money and Run*, 7:30 p.m.; *Network*, 9 p.m., Room 112 Kern.

Saturday, August 1
France-Cinema, Bertolucci, *Two Tango in Paris*, 7 and 9 p.m., Room 112 Kern. Also August 3.
GSA Explazaganza film, dusk, Fisher Plaza.

Week of August 3

Tuesday, August 4
Late drop deadline (ten week Summer Term).
Red Cross Bloodmobile, 10 a.m.-4 p.m., Walnut Bldg.
Phi Delta Kappa Summer Seminar Series, 2:20 p.m., Room 101 Kern. Robert Shell, international education, Pa. Dept. of Ed., on "International Education."
GSA Explazaganza concert, 7 p.m., Fisher Plaza.

Wednesday, August 5
Last day to sign Summer Term ND5L and University Long Term Loans, Room 108 Shields.

Friday, August 7
Commonsplace Theatre, *Kentucky Fried Movie*, 7:30 p.m.; *All That Jazz*, 9:15 p.m., Room 112 Kern. Also August 9.

Saturday, August 8
France-Cinema, Fellini, *Amarcord*, 7 and 9 p.m., Room 112 Kern. Also August 10.
GSA Explazaganza film, dusk, Fisher Plaza.

Week of August 10

Monday, August 10
Late drop deadline (eight week Summer Term).
GSA Explazaganza concert, 7 p.m., Fisher Plaza.

Thursday, August 13
Penn State Dames meeting, 7:30 p.m., Room 101 Kern.
Fred Waring Summer Youth Concert, 8 p.m., Schwab.

Friday, August 14
Deadline to submit petitions to Records Office to graduate in absentia in August.
Commonsplace Theatre, *Everything You Always Wanted to Know About Sex*, 7:30 p.m.; *American Greffiti*, 9 p.m., Room 112 Kern. Also August 16.
Fred Waring Summer Youth Concert, 8 p.m., Schwab.

Saturday, August 15
France-Cinema, Werthmüller, *Seven Beauties*, 7 and 9 p.m., Room 112 Kern. Also August 17.
GSA Explazaganza film, dusk, Fisher Plaza.

Week of August 17

Monday, August 17
Color Slide Club meeting, 7:30 p.m., Room 189 MRL.

Tuesday, August 18
GSA Explazaganza concert, 7 p.m., Fisher Plaza.
Ten week Summer Term classes end, 9:55 p.m.

Wednesday, August 19
Last day to sign Summer Term Emergency Loans, Room 108 Shields.
Eight week Summer Term classes end, 9:55 p.m.

Thursday, August 20
Final examinations, through Saturday, August 22.

Sunday, August 23
Residence Halls close for Summer Term, 3 p.m.

Week of August 24

Saturday, August 29
Summer Term Commencement, 10:30 a.m., Rec. Hall.

Exhibits

Chambers Gallery
Gallery hours: Monday through Friday, 8 a.m.-5 p.m.

Michael Starnier, pottery, and Kayed Amr, paintings, June 15-July 1.
CPFA child art exhibit, July 6-22.
Mark Ruyak, drawings and weavings, July 27-August 19.

Kern Gallery
Gallery hours: Monday through Saturday, 8 a.m.-11 p.m.; Sunday, noon-11 p.m.
Ed Leos, photography, through June 25.
Ben Ruyase, prints and paintings, through June 26.

CPFA juried photography exhibition, July 5-24.
CPFA glass invitational, July 5-30.
Frances Venard, retrospective exhibition, July 28-August 18.

Museum of Art
Museum hours: 11 a.m.-4:30 p.m. Closed Mondays, Tours, Sundays, 1:30 p.m.
Special hours during CPFA, July 9-11, 11 a.m.-8 p.m.
Photographs from the Museum's collection, through June 21.
Twentieth-century works from the Museum's collection, through July 26.
Drawings and prints from the Museum's collection, through Sept. 27.
Hemline, Neckline, Streamline: Women's Fashions 1890-1940 from the collection of Beverly Birks, June 28-Sept. 13.
CPFA juried crafts, July 5-August 16.
African sculpture from the Museum's collection, August 1-Sept. 20.

Pattee Library
East Corridor Lobby:
Susan Nusbäum, paintings, June 11-July 1.
Paul Matthews, paintings, July 1-29.
Diane Ansell, recent work, August 1-22.
Robert Cridell, paintings and drawings, August 23-Sept. 10.
Lending Services Lobby:
Dave Hamilton, photographs, "Volunteers," June 11-July 1.
Beverly Laverdiere, paintings, July 1-29.
Michael Lucas, drawings, July 29-August 20.
Naomi Gallagher, paintings, August 21-Sept. 18.

Main Lobby
Dave Hamilton, photographs, June 11-July 1.
Carol Treat, ceramics, July 1-27.
Bonnie Deutsch, Helen Newhard and Elaine Stone, jewelry, July 27-August 20.
Mary Ann Martin, functional ceramics, August 20-Sept. 11.
Rare Books Room:
Martha Canollers, "The Design and Production of Children's Novelty Books," through August 28.

Visual Arts Zoller Gallery
Gallery hours: 11 a.m.-4:30 p.m. Closed Mondays. Special hours July 9-11, 11 a.m.-8 p.m.
Lannie Sommesse, posters, July 1-August 1.

From the Trustee Docket

Trustees elect two new members, return five incumbents

Two new members have joined five re-elected incumbents on the Board of Trustees. All were elected to three-year terms.

The new members are Joel N. Myers of State College, president of Accu-Weather, Inc., and Charles E. Wismer of Trappe, mayor of the Borough of Trappe and Master of the Pennsylvania State Grange. Dr. Myers was elected by Penn State alumni, Mr. Wismer by county agricultural society delegates.

University alumni re-elected incumbents H. Jesse Arnelle, a trial attorney in the San Francisco firm of Arnelle & Aldredge, and Helen D. Wise of Dover, Del., executive director of the Delaware State Education Association.

Trustees re-elected by industrial society delegates were Howard O. Beaver Jr., of Reading, chairman of the board of Carpenter Technology Corp., and Samuel A. Breene of Oil City, chairman of the board and chief executive officer of Brookville Glove Manufacturing Co. Inc.

Another incumbent, Burton L. Hetherington, a partner in H-4 Farms, Ringtown, was re-elected by delegates of agricultural societies.

Dr. Myers founded Accu-Weather with a small group of Penn State graduates. It is currently the nation's largest private weather forecasting service, and has provided weather forecasts for presidential inaugurations, NASA and the 1980 Winter Olympics.

Dr. Myers holds B.S., M.S. and Ph.D. degrees from Penn State, and as a student was the recipient of the American Meteorological Society's Father Nacelwayne Award and a National Science Foundation Fellowship.

He served on the Penn State faculty from 1964 to 1974 and currently teaches a course each year for upper-level meteorology students.

Mr. Wismer, a dairy farmer, is a member of the executive committee of the College of Agriculture's Advisory Council and the executive committee of the Pennsylvania Council of Farm Organizations.

He serves also as vice chairman of the Department of Environmental Resources' Agriculture Advisory Committee and recently was appointed to the Department's Oil and Gas Environmental Advisory Committee.

He has been active as a committeeman for the Agricultural Stabilization and Conservation Service and for Agway Cooperative. For seven years, he was president of the Trappe Historical Society.

Mr. Arnelle previously served as a federal public defender in the United States District Courts. A 1955 Penn State graduate, he is a member of the board of directors of the National Foundation for the Improvement of Education.

Dr. Wise is a past president of the National Education Association. A former State Representative in Pennsylvania, she holds B.A., M.A. and D.Ed. degrees from Penn State.

Mr. Beaver, a metallurgist, was a 1981 recipient of the Horatio Alger Award, which honors Americans whose lives exemplify the ideals of the free enterprise system. He is a 1948 graduate of Penn State.

Mr. Breene, an attorney, is active in many business interests and maintains a law practice in Oil City. He is a director of the Northwest Pennsylvania Bank and Trust Company.

Mr. Hetherington is a member of the executive committee of the Pennsylvania State Council of Farm Organizations and also has served as president, secretary and treasurer of that group. He is active in many other agricultural societies.

Political science Ph.D. to be offered at Capitol

The Division of Public Affairs at Capitol Campus and the Department of Political Science at University Park have joined forces to offer the Ph.D. program in political science to residents of southcentral Pennsylvania.

Dr. Theodore L. Gross, Capitol's provost and dean, said the program is scheduled tentatively to begin in the fall of 1981. About half of the coursework will be offered at Capitol Campus and the other half at University Park.

"This is not a new program, so it won't require any additional expenditures of University funds," Dr. Gross said. "Rather, it's a partial geographic extension of the existing Ph.D. program in political science. It's specifically designed to enable professionals employed in government and public agencies in the greater Harrisburg area to pursue the degree more easily."

"This joint program represents the first time in Penn State's history that doctoral work will be offered at a campus other than University Park and the College of Medicine at Hershey," he added.

The coursework at Capitol Campus will be offered in the evenings for the convenience of employed students. Some of the courses at Capitol Campus will be taught by graduate faculty members from University Park. Most, however, will be taught by graduate faculty members in the Campus's Division of Public Affairs — who are graduate faculty members in the University's Graduate School.

The coursework at University Park will be offered in late afternoons, and will be taught by graduate faculty members. Degree granting authority will rest with the Department of Political Science, not the Capitol Campus.

"The importance of the joint program is that it now reaches an area where government activity abounds," Dr. Gross said.

"For example, the Division of Public Affairs offers students excellent access to government agencies for data collection, for research, and for the study of public policy and administration. Capitol Campus's Institute for State and Regional Affairs, which maintains contacts with state, local and regional agencies throughout the Harrisburg area, offers students opportunities for developing research proposals."

The Ph.D. program in political science offers five fields of study: American government and politics; comparative politics; international politics; organization and law; political theory and methodology; and public administration.

To complete the degree, students must pass comprehensive examinations in three of the five fields, or in two of them and a field outside political science.

"We expect that most of the students in the joint program will pursue the public administration field," Dr. Gross noted.

"The graduate program in urban and regional planning provides one outside field for those interested in taking as much work as possible at Capitol Campus."

Students in the joint program will have a faculty adviser at each campus. The time required to complete the doctoral program on a part-time basis would be five to seven years, depending upon the student's background and abilities.

Graduate degrees will be offered in adult education

The College of Education will offer programs leading to the master of education and doctor of education degrees in the field of adult education beginning Fall Term, 1981.

"Demand for graduate programs in adult education is increasing," Provost Eddy explained. "The University has a long history of successful continuing

education and cooperative extension activities, as well as a number of strong programs in areas that can contribute to the education of persons wishing to deal with adult education. These will be increasingly important as the population ages."

The degree programs in adult education will be similar in structure to many graduate programs already operating within the University and within the College of Education. They will call upon supporting fields for courses and minors — among them, anthropology, American studies, individual and family studies, political science, journalism, rural sociology, psychology, sociology and speech communication.

Faculty members have indicated their willingness to be responsible for program policy and planning, as well as questions of admissions and examinations. Dr. Eddy said. Library holdings are considered sufficient to accommodate the programs.

No new University funds will be required to implement the degree programs.

Hazleton adds program in physical therapy

An associate degree program in Physical Therapy Assistance has been established at the Hazleton Campus in response to the increasing demands for physical therapy programs and a current shortage of personnel in this field in Pennsylvania.

Graduates of the program, which will begin operating this summer, will be qualified to work under the direct supervision of a licensed physical therapist.

Provost Eddy explained that the program will provide students with knowledge and skills in the principles of physical therapy treatment, as well as the basic diagnostic approaches necessary for planning rehabilitation programs.

Sponsored by the Health Education Department of the College of Health, Physical Education and Recreation, the seven-term, 67-credit program includes 33 credits of general education requirements and 34 credits required for the major. It combines basic science and non-science coursework with appropriate clinical experience. Ten required credits are earned during a seventh-term practicum experience.

This is the first such program at Penn State and only the second in Pennsylvania. The other is at Lehigh County Community College.

Option added to art education major

The major in art education has been revised to include two options: art education for schools and art education for cultural and social agencies.

"With the decline of art in the public school curriculum and the emphasis of visual arts education in museums, galleries, art centers and social agencies, a need exists for competent art educators in a variety of institutions in society," Provost Eddy told the Board.

Central to both options are basic art studio preparation, an art emphasis, a variety of observational and participatory experiences in art learning environments and an extensive, pre-practice internship. No additional University funds are involved in the change.

Interim budget approved

An interim maintenance and operating budget for the fiscal year beginning July 1 was approved by the Trustees.

"It is necessary to have an approved fiscal operating plan by July 1," President Oswald explained. "Because the State appropriation is still pending, it is recommended that no action be taken at this time on changes in tuition, salaries and wages, staff benefits or other necessary expense increases."

"A final budget will be submitted when the State appropriation is clarified."

The interim budget was approved at the level of the 1980-81 budget — \$449.8 million for all divisions of the University, including the Milton S. Eshersley Medical Center and all auxiliary enterprises.

Responsibility transferred

Responsibility for administering advanced degree programs in extension education will be transferred from the Department of Agricultural Economics and Rural Sociology to the Department of Agricultural Education, effective July 1.

To reflect accurately its expanded responsibilities, the name of the Department of Agricultural Education will be changed to the Department of Agricultural and Extension Education. The breadth of the department will be expanded to include three sections or divisions: Agricultural Education, Extension Education and Home Economics Extension.

University Council alters membership requirement

The Trustees approved a change in membership requirements for the University Council, an advisory group of administrators, faculty members and students.

The Council includes one undergraduate student member to represent students at the Penn State campuses other than University Park. Under the revised requirements, that member must be a student at University Park (having formerly been enrolled at one of the other campuses), the Behrend College or the Capitol Campus.

According to President Oswald, the change is being made to ensure that the interests of non-University Park students are represented adequately. In the past, student representatives from other campuses have had problems arranging transportation to the meetings, which are held at University Park.

Construction projects approved by Board

Sketch plans for improvements to 32 buildings at University Park to make the structures more accessible to the handicapped were approved by the Trustees.

Among the planned improvements are adding ramps, easing access to doors and modifying toilet facilities, Ralph E. Zilly, vice president for business, said.

Funds for the project, \$666,000, are provided by the Commonwealth as Penn State's portion of a handicapped accessibility funding package, which includes state colleges and state-related universities. The improvements are to buildings which were built by the Commonwealth.

In other action related to the University's physical plant, the Trustees approved final plans for construction of an emissions control system for the University's main boiler plant.

A fabric filter system to remove particles emitted at the West Campus Heating and Power Plant is expected to be completed by March 1984. Construction will begin this spring. The project will cost approximately \$6.7 million.

The State's Department of General Services is carrying out the project, which is funded by an appropriation passed by the legislature and signed by the governor.

Final plans for renovations and additions to the East Area Locker Room, used by the varsity football team, also were approved by the Trustees.

A 4,400-square-foot addition will be used primarily as a weight training area. Robert A. Patterson, senior vice president for finance and operations, said.

The estimated project cost is \$400,000, with the money to come from Department of Intercollegiate Athletics' funds.

(Continued on page 7)

Provost says University meeting "Perspective's" goals

Speaking to the University Faculty Senate at its June 2 meeting, Provost Eddy hailed the vigor of the academic enterprise at Penn State.

Dr. Eddy pointed to a report prepared by the University Council describing progress to date on implementing the recommendations contained in *A Perspective on the '80s*, the University's action agenda for the decade.

The Council's report, which was presented to the Board of Trustees on May 26, offered, Dr. Eddy said, "a good test not just of the *Perspective* but of the institution itself: Was it capable of moving toward those three goals of quality, flexibility and selectivity? Could we initiate some momentum which would provide a healthy climate in a time of perhaps painful retrenchment?"

"The University's Council's review of the first 18 months seems to indicate that we can make some sweeping and challenging changes."

The following sections are from the Council's report. Each item includes a reference to the specific recommendation in *A Perspective* which it implements.

1. **The Five-Year Planning and Budget Process** (recommendation 43b): The 1980-81 cycle of the five-year planning and budget process has focused part of its attention on affirmative action progress, personnel resource planning, and professional development. The process continues to redirect resources to areas of pressing demand in both instruction and research, while being careful not to dismantle arbitrarily programs of historic strength for Penn State. Faculty and student committee members continue as active participants in the discussions and formulation of policy and resource allocation decisions.

2. **Integration of the Commonwealth Campus System and Continuing Education** (recommendation 69): Almost concurrent with the adoption of the *Perspective*, the Board of Trustees authorized the administrative integration of the Commonwealth Campus System and Continuing Education. In May 1980 the Board appointed a Vice President and Dean to guide the formulation of the combined system, subsequently designated the Commonwealth Educational System. The new Vice President assumed direct administrative responsibility in January 1981.

3. **Reassessment of Fund-Raising Activities** (recommendation 98): A second action of the Board of Trustees was the creation of the position of Vice President for Development and the reorganization of the Penn State Fund Council. These represent important steps in addressing the recommendation in the *Perspective* to reassess the University's overall fund-raising program. In addition, a Coordinator of Major Giving has been appointed in the Office of Gifts and Endowments. Under the supervision of the coordinator, major fund drives are being planned for the Colleges of Engineering and of Earth and Mineral Sciences.

4. **Review of the term system and of alternative academic calendars** (recommendation 76): Following several months of University-wide discussion and debate of the advantages and disadvantages of the term and semester academic calendars, the President announced his decision on March 12 to convert to the early semester system effective September 1983. A Calendar Conversion Council has been appointed to guide the transition to the new system. The conversion provides a special opportunity for the University to address those recommendations in the *Perspective* dealing with course and program reviews, faculty teaching and research interrelationships, and changing student needs.

5. **Reexamination of summer term operations, organizational structure, and funding** (recommendation 75): This reexamination has been completed by the Office of Planning and Budget, with the assistance of an advisory group comprised of representatives from the Office of the Vice President for Undergraduate Studies, the Graduate Council, and Senate Committees on Undergraduate Instruction and Academic and Physical Planning, and a report presented to the Provost and President. In his announcement regarding the University's academic calendar, the President also indicated that an eight-week summer session with shorter-term program options would be developed. The summer term program has been made available to the chairman of the Calendar Conversion Council in order to facilitate summer session plans corresponding with the calendar conversion.

6. **Assure that resources are allocated according to program priorities based on criteria of quality, need and cost** (recommendations 44 and 65): Priorities among programs in undergraduate and graduate instruction, research, and public service must be guided by three criteria: the ability of a program to achieve quality; evidence of the need for a program; and the relationship of both to program costs. The evaluation of University programs according to the criteria of quality, need, and cost is critical to establishing priorities. In March 1981, H. Thomas Holloway Jr., a member of the Penn State Board of Trustees, contributed \$100,000 to the University to encourage external program review and evaluation. His contribution was matched by the Fund for Academic Excellence through the Richard King Mellon Charitable Trusts Grant. The Mathematics Department successfully completed such an external review last year when several representatives from other universities and industry provided the department with suggestions for improvement. Similar reviews have been conducted or initiated for the Departments of Physics, Biology, and Theatre and Film.

7. **Enhance the quality of leadership and decision making** (recommendation 2): A Senate Committee on Research, established in January 1978, identified the academic department head as the "single individual within an academic unit most influential in creating and maintaining an atmosphere conducive to research and other forms of scholarly activity." In his preliminary progress report to the Board of Trustees in November 1980, the Provost identified academic leadership as an issue being explored. Since then, a prospectus has been prepared for conducting an orientation workshop for recently appointed department heads. The first programs are scheduled to be offered in August 1981. Opportunities may develop for expanding this type of program to other administrators both in the colleges and on the campuses.

8. **Rewarding faculty excellence** (recommendation 13): In August 1980 President Oswald approved a new research recognition award, the Faculty Scholar Medal for Outstanding Achievement. At the Winter 1981 Commencement exercises in March, four faculty members from the arts and humanities, life and health sciences, physical sciences and engineering, and social and behavioral sciences each received the initial awards, a specially designed medal and a check for \$1,000.

9. **Allocate institutional resources to renovate research facilities** (recommendation 33f): The Provost's Matching Funds program for equipment, announced November 20, 1980, has been of significant assistance to colleges and Intercollege Research Program units in acquiring major items of equipment. To date requests for matching funds — usually related to equipment purchases in federal agencies — have received awards totaling close to \$1,000,000.

10. **Expand Research Initiation Grants** (recommendation 33b): The Research Initiation Grant Program for 1980-81 and beyond is now funded at \$107,000 plus \$26,000 for graduate fellowships. In prior years the program had operated at approximately this level but was based largely on temporary funds. In May 1980 President Oswald authorized additional permanent funding.

11. **Evaluate existing information systems and develop interactive computing capability** (recommendations 77 and 78): Concern with the development of University-wide data bases and information systems and conceptual hardware was addressed with the appointment in February 1980 of the University Computer and Information Systems Planning Committee (UCISPC) and the appointment for the year 1981 of a special assistant to the President, who serves as chairman of the UCISPC, to work on the development of basic long-term goals for computational and information systems and methods to achieve them. Interactive editing capability has been enhanced with the addition of an IBM 4341 processor and peripheral equipment in the Computer Center, servicing more than 100 terminals across the University, including many on the Commonwealth Campuses. In addition, four VAX computers with interactive capabilities have been added in the Colleges of Engineering, Science, and Medicine.

12. **Examination of prospective early retirement programs** (recommendation 92): The *Perspective* recommended consideration of

alternative strategies for dealing with personnel resource reallocation. A comprehensive analysis of the University's retirement programs and prospective retirement trends has been completed by the Office of Planning and Budget and distributed to administrative and faculty committees for information and deliberation. The findings of the report have been discussed with the President's Faculty Advisory Committee and the Council of Academic Deans.

13. **Increase efforts to recruit highly qualified high school graduates, within and outside Pennsylvania**, and encourage enrollment of minorities (recommendations 23 and 24): In the Fall of 1980 the Office of Admissions implemented a new tracking system — the Candidate Information Management System (CIMS) — which provides the University with the ability to track a high school student through the several stages of selecting a college. From the time his or her SAT test scores are submitted until the student is admitted to Penn State. The system also allows the Office of Admissions the opportunity to differentiate among students of varying academic abilities and target its recruitment efforts to selected student markets. Many academic units within the University have used the CIMS file to facilitate recruitment of high achievers.

The overall effort of the Office of Admissions in the area of recruitment has been greatly intensified in 1980. For example, the number of pieces of mailed recruitment literature increased from 70,000 in 1979 to 120,000 in 1980. The attendance by Penn State recruiters at both in- and out-of-state college fairs increased by approximately 30 percent. The number of minorities in Penn State's prospect pool increased from 4,000 in 1979 to 10,000 in 1980, due largely to broader staff involvement in recruiting out-of-state minority students. An Alumni Admissions Advisory Committee was organized with the goal of increasing the participation of alumni clubs in the recruitment of highly qualified students. These efforts contributed to an increase between Fall Terms 1979 and 1980 of 18 percent in the enrollment of out-of-state students at Penn State and of 12 percent in the number of minorities admitted. Total applications for 1981 are up 14 percent over 1980; out-of-state applications are up 20 percent and black applications have increased by 38 percent.

14. **Explore ways to improve retention** (recommendation 25): Development of programs aimed at improving retention of students in the Penn State system depends initially upon a better understanding of the factors affecting retention. Important studies on student progress at Penn State have been conducted by the Office of Residential Life in the Division of Student Affairs, the Office of Planning and Budget, and the Delaware County Campus, and the results reported to appropriate faculty and administrative committees. Important workshops dealing with retention were conducted by the Office of the Vice President for Undergraduate Studies in March 1979 and 1980. Also in March 1980, the Provost and the Chairman of the University Faculty Senate jointly initiated a study of the Freshman Experience, with a report from the Committee due within the current academic year. As a result of all these analyses, renewed attention is being given to the importance of academic advising, the procedures for withdrawing from Penn State, the relationship of part-time employment to retention, the structure of academic programs in the freshman year, and programmatic approaches for retaining highly qualified students.

15. **Increase efforts to provide handicapped students full participation in University life** (recommendation 38): In order to comply with Section 504 of the Rehabilitation Act of 1973, the Office of Handicapped Student Services investigated sources of funding for architectural barrier removal and for provisions of services for handicapped students. Five projects were funded in 1980, including wheelchair access to the Carnegie and Recreation Buildings at University Park. Similar efforts were undertaken at Delaware County and York Campuses. A guide to physically handicapped students in the classroom was developed and published for Penn State faculty in Fall 1980. The Kurzweil Reading Machine, an instrument which reads aloud printed material for visually impaired students, was installed in the Pattee Library in March 1981.

16. **Monitor progress of Behrend College** (recommendations 56 and 57): A comprehensive

analysis was prepared by the Office of Planning and Budget in Fall 1980 of Behrend's enrollment trends and projections, personnel resources, and facilities needs. A subsequent proposal was developed and presented by the new dean to the President and Provost in December 1980, specifying a plan of program direction for Behrend College and identifying corresponding resource needs. These documents are serving as important references in the continuing assessment of Behrend's future direction and resource needs as part of the planning and budget process.

17. **Establishment of the "Connect" Advisory Committee** (recommendations 10a and 38a): "Connect" is a recently developed program to benefit women in non-traditional majors, i.e., agriculture, engineering, business administration, and the sciences, by encouraging peer and faculty support, providing role models and teaching skills to come successfully in traditionally male-dominated environments. In August 1980 the Provost and Senior Vice President for Administration appointed an advisory committee to the "Connect" program for the purpose of identifying problems which women in traditionally male programs may encounter during their academic life or after they leave the University. The initiative of the committee is upon the recruitment, retention, and adjustment of women in these fields at Penn State.

The University Council, which is responsible for overall implementation of the *Perspective's* recommendations, has recommended that during the next 12 to 18 months special attention be given to a number of projects, among them:

- review of basic educational philosophy;
- study of a recent decline in the number of applications for sabbatical leaves;
- preparation of a report to be presented to the Trustees early next spring describing federal student loan policies passed by the 1981 Congress and how they will affect Penn State students; and
- a review of the University's undergraduate advising program.

The University Council recommended also that a reappraisal be undertaken of University policies affecting assignment and funding of graduate assistantships and fellowships. The review is to be completed in December.

Construction projects

(Continued from page 6)

produced by revenues from varsity football. Construction should be completed by March 1982.

An addition to the University's laundry building was approved by the Trustees. The 1,600-square-foot addition will serve as a shipping, receiving and storage room. The project will cost approximately \$70,000 and will be funded from laundry operation income.

Also approved was construction of a 3,100-square-foot pesticide storage and handling building at the Rock Springs Agricultural Research Center. The pole-barn structure will be built on the Agronomy Research Farm and is designed for safe storage and handling of pesticides. Federal funds, in the amount of \$45,000, will pay for the construction, which is expected to be completed this summer.

Trustees okayed final plans for a 775-square-foot addition to the Applied Research Laboratory's Test Labs. All funds for design and construction are being provided by the U.S. Navy. The cost is expected to be \$45,000.

The Hazleton Campus will get 50 additional parking spaces by Fall Term as Trustees authorized that construction. The project cost is \$40,000.

Also approved were final plans to build a memorial garden at the Altoona Campus near the Edith Davis Eve Chapel. It will be called the E. Robert Titelman Memorial Garden in memory of the former treasurer of Puritan Sportswear and Altoona resident.

The Altoona Campus Advisory Board, meeting in February, approved \$41,000 from funds contributed by James W. Titelman and other donors for construction of the garden.



Comedy to open Festival season

Festival Theatre opens its 1981 season on June 25 with *Born Yesterday*, a comedy boasting one of the longest runs in Broadway history. Equity cast members include David Wurst, Susan Borneman, and Tony Hoty.

Mr. Wurst is no stranger to Festival audiences. He appeared as Rufe Phelps in *The Last Meeting of the Knights of the White Magnolia* and the companion play, *LuAnn Hampton Laverdy Overlander*, and as Ben Silverman in *The Sunshine Boys*. In *Born Yesterday* he portrays Paul Verrall, the idealistic magazine writer.

Ms. Borneman and Mr. Hoty are Festival newcomers, but they have earned

numerous credits in comic and dramatic roles around the country. Each is also a member of a working comedy team — Borneman and Greenhouse, Hoty and Kaptur. In *Born Yesterday*, Mr. Hoty plays Harry Brock, the rich but vulgar wheeler-dealer. Ms. Borneman is Billie Dawn, his charming but dumb girlfriend. *Born Yesterday* runs June 25 through July 12 in the Pavilion Theatre. The rest of the Festival Theatre 1981 season includes *Once Upon a Mattress*, *On Golden Pond*, and *Grease*. Season subscriptions are still available as are single tickets. For information call the Festival Box Office (865-1844).

URTC launches 'Angels program'

Penn State's University Resident Theatre Company (URTC) has successfully launched a program designed to attract private support for its productions.

"A significant portion" of the costs of producing the four plays of URTC's 1981 summer Festival Theatre has been provided by contributions from area residents, according to Dr. Walter H. Walters, dean of the College of Arts and Architecture and director of University Arts Services.

URTC has named the fund raising effort its "Angels Program." The term "angels," Dean Walters explains, in theatre parlance has come to mean backers who offer financial and other kinds of support for productions.

The Festival Theatre "angels" and the shows with which they will be associated are: Barbara and Jay Claster, *Born Yesterday*; G. M. McCrossin, *Once Upon a Mattress*; Jane and E. F. "Pat" Houser, *On Golden Pond*; and Barbara and James Palmer, *Grease*.

Mr. and Mrs. Houser are Bellefonte

residents. The other "angels" make their homes in State College. All are prominent in central Pennsylvania business.

This is the first time in the history of Penn State theatre that private support has been sought to allay production costs.

"These costs have risen dramatically in recent years," Dean Walters observes. "University support of the theatre has been steady, but we can't expect major increases in its support in these financially difficult times."

"If we are to pass along all our increased costs through ticket prices, we would soon price theatre beyond the reach of many of our patrons, especially students and people on fixed incomes."

"We must not let this happen. Theatre is a public art and we are committed to keeping it accessible to the widest possible public."

Dean Walters adds that in the future URTC hopes to expand the Angels Program to include more contributors and to take in the fall, winter and spring academic seasons.

Otto

(Continued from page 1)

from the introduction of an innovative budget reporting system for Campus administrators to an expanded educational program for the gifted children of the community.

"I am very pleased that the Beaver Campus will remain under his leadership."

Concerning the position of associate director for academic affairs, Dr. Oswald indicated that examination of the programs of the Campus led to the conclusion that the reorganization was appropriate. The associate director, when selected, will be delegated responsibility for faculty and academic affairs at the Campus. This pattern of organization, introduced in the mid-1970s, is now in effect at over half of the University's 17 Commonwealth Campuses.

Mr. Otto was named acting director of the campus in 1979 when Dr. Joseph Gustin resigned to become chancellor of the Indiana-Purdue University campus at Fort Wayne, Ind. In May 1980, Mr. Otto became interim director.

Prior to becoming acting director of the campus, Mr. Otto was assistant director for continuing education at Beaver from 1968 to 1979.

From 1966-68, he was assistant district administrator for continuing education at Penn State's Behrend College. He had joined the University system in 1964 as a part-time administrator for continuing education in New Castle, where he had held a variety of positions in the public

Mr. Otto, 42, graduated cum laude from Slippery Rock State College in 1961. He received a master's degree in education from Westminster College in 1964, and the following year studied mathematics at Kent State University under a National Science Foundation grant.

Mr. Otto has been very active in civic and professional organizations at all levels.

Instructional Services to offer June workshop

"Instructional Congruency" will be the subject of a two-hour workshop to be conducted by George Bencoset, a member of the instructional improvement team at the University Division of Instructional Services (UDIS). The presentation, to be offered Wednesday, June 17, at 1:30 p.m. in Room 128 Mitchell Building, is a repeat of the workshop which was given in January.

The workshop is limited to 35 participants on a first-come, first-serve basis. Reservations and additional information may be obtained by calling 863-0668.

Smith

(Continued from page 1)

research articles in scholarly and professional journals and has been an invited guest lecturer for numerous institutions and associations, including Cornell. The Phytotaxological Society and North Carolina State.

On the international level, he has taught at the Instituto Venezolano de Investigaciones Cientificas in Caracas, Venezuela, and has lectured in England, Scotland, the Netherlands, France, West Germany, Belgium, Italy, Switzerland and Mexico.

Dr. Smith also has been involved in extensive service activities both nationally and statewide.

Ryan

(Continued from page 1)

will be joining the Penn State system," Dr. Oswald said in announcing the appointment. "In the nationwide search to fill this position, his credentials as a leader and innovator truly stood out."

"In less than five years, he built the Division of Continuing Studies at Indiana-South Bend from a small office into a major academic unit serving more than 8,000 students a year."

A native of Philadelphia, Dr. Ryan grew up in Danville, Pa., and was educated at the State University of New York at Buffalo, where he received a B.Ed. in 1964, an M.Ed. in 1967 and the Ph.D. in 1972.

He also began his professional career at SUNY-Buffalo. He was associate director of alumni affairs in 1965 and 1966 and director of the office of off-campus housing from 1966 until 1970. In the latter capacity, he developed a new student personnel service area for off-campus housing and worked with local housing developers to provide privately operated dormitories off-campus.

In 1970, Dr. Ryan was named associate director of the Council on Urban Affairs and coordinator of the Urban Studies Major at SUNY-Buffalo. He designed, developed and coordinated the urban studies major and initiated and published a university-wide "Inventory of Faculty Resources — Teaching, Research and Technical Assistance Related to Urban and Regional Affairs."

He joined Indiana-South Bend in 1974 in his present capacity. Besides overseeing the growth of the operation, he began an interdisciplinary external degree program which has attracted more than 3000 students in the last five years.

An authority on leadership and management, Dr. Ryan has conducted seminars for administrators throughout the United States. He also has published numerous articles and research papers.

Senate elects officers, fills committees

(Continued from page 1)

of engineering research, member; Kathryn B. Moore, associate professor of education, alternate. Other than University Park, Cara-Lynne Schengrund, associate professor of biochemistry at Hershey, member; P. Peter Rebane, associate professor of history at Ogonitz, member; Bernard L. Guss, associate professor of general engineering at New Kensington, alternate. Deans, Evan G. Pattishall, Human Development, member; Stanley F. Paulson, Liberal Arts, member; Stuart Forth, Libraries, alternate.

University Promotion and Tenure Review Committee: Paul R. Shellenberger, professor of dairy science; Thomas E. Daubert, professor of chemical engineering; Michael P. Hottenstein, director of the MBA program; Charles A. Cole, professor of engineering at Capital Campus.

Standing Joint Committee on Tenure: Manfred Kroger, professor of food science, member; Robert Jennings Heinsohn, professor of mechanical engineering, alternate.

Dr. Tischler jokingly refers to herself as "the mother of Capitol Campus," whose faculty she joined in 1966, the year the Campus was established. Her Senate tenure began in 1976, and she was elected secretary last year, becoming chairman-elect when Dr. Edward H. Klevans relinquished the post.

A member of the Faculty Advisory

Committee, Dr. Tischler served on the committee which drafted the original constitution for the Faculty Organization at Capitol. She was a member also of the Task Force on Mission for *A Perspective on the '80s* and acted as editor for the Capitol Campus Plan for the '80s.

Prior to joining the University faculty, Dr. Tischler taught at Susquehanna and George Washington Universities. A graduate of Wilson Teachers College, she earned her M.A. and Ph.D. in English at the University of Arkansas. A former Fulbright Scholar and Danforth Associate, she is the author of several books, including *Dorothy L. Sayers: A Pilgrim Soul*, *Legacy of Eve: Images of Women in the Bible*, *Black Masks: Negro Characters in Modern Southern Fiction*, and *Tennessee Williams: Rebellious Puritan*.

Dr. Dixon joined the faculty in 1947 after earning B.S., M.S. and Ph.D. degrees at Penn State. From 1955 to 1964, he was director of an American Petroleum Institute research project at the University. Named head of the Department of Chemistry in 1971, he has served two years in the Senate.

Active in the American Chemical Society, Dr. Dixon is chairman of its Budget and Finance Committee's subcommittee on budgets and programs. He also chaired the Society's MARM (Middle Atlantic Region Meeting) Committee last year.

Calendar Conversion Council offers report

Among other topics, the Calendar Conversion Council's May 21 agenda included a discussion of a Council meeting with deans of the Colleges and directors and assistant directors of the Commonwealth Campuses.

It was reported that the Commonwealth Campuses have appointed local calendar committees, which are to serve as liaisons between the Campuses and the Council. In discussing the Campus calendar committees, the Council stressed the need for input from faculty members at all University locations.

The Council also discussed how the Summer Term will take shape under the semester system and appointed a standing committee to make an in-depth study of the matter. Henry J. Hermanowicz is chairman of the committee.

In other matters, the Council:

— Heard an oral report from the Class Schedule Committee, which emphasized

the necessity of even distribution of classes across eight periods per day, five days per week in order to accommodate the instruction program.

— Scheduled a meeting to discuss concerns voiced by the Administrative Council on Undergraduate Instruction about the overall calendar conversion timetable and the common forms for the final revisions of academic programs being used by the Council and the Senate Committee on Curricular Affairs.

— Recommended to Richard E. Grubb, senior vice president for administration, a revised series of publication dates for the Associate Degree, Baccalaureate Degree and Graduate catalogs.

— Discussed a variety of questions regarding sabbatical leaves and appointed a committee to recommend a revised PS-17, the policy which governs sabbatical leaves. Wendell V. Harris was named to chair the committee.

Penn State Intercom

University announces academic promotions as of July 1

The following promotions are effective as of July 1:

TO PROFESSOR

Gert Aron, Civil Engineering
 Philip H. Baldi, Linguistics
 Eugene N. Borza, History
 Peter R. Cavanagh, Biomechanics
 Milton W. Cole, Physics
 Richard Craig, Plant Breeding
 Donald D. Davis, Plant Pathology
 Donald J. Epp, Agricultural Economics
 Daniel D. Fritton, Soil Physics
 Anthony V. Galanti, Engineering,
 Hazleton Campus
 John K. Gamble, Jr., Political Science,
 Behrend College
 Sheldon R. Gelman, Social Welfare
 Ernest A. Harrison, Jr., Chemistry, York
 Campus
 Kathryn L. Harry, Physiology, Hershey
 Charles W. Hill, Biological Chemistry,
 Hershey
 John H. Hoke, Metallurgy
 James P. Ignizio, Industrial Engineering
 Kenneth K. Kuo, Mechanical Engineering
 Richard M. Lerner, Child Development
 Raymond E. Lombra, Economics
 David R. MacKenzie, Plant Pathology
 Alan A. MacNab, Plant Pathology
 Extension
 Richard C. Rose, Physiology and Surgery,
 Hershey
 Richard W. Scholz, Veterinary Science
 Henry P. Sims, Jr., Organizational
 Behavior
 Lanny B. Somme, Art
 Graham B. Spanier, Human Development
 and Sociology
 Richard E. Tressler, Ceramic Science and
 Engineering
 James S. Ultman, Chemical Engineering
 Richard F. Unz, Environmental
 Microbiology
 Joseph J. Villafranca, Chemistry
 James C. Wambold, Mechanical
 Engineering
 Thomas L. Watschke, Turfgrass Science

Ralph L. Webb, Mechanical Engineering
 Walter B. Welmer, Psychology
 Boris Weisfeiler, Mathematics
 Jack H. Willenbrock, Civil Engineering
 Francis H. Witham, Horticulture and Plant
 Physiology

TO ASSOCIATE PROFESSOR

Robert C. Aber, Medicine, Hershey
 Wesley F. Alles, Health Education
 Michael L. Barton, Social Science and
 American Studies, Capitol Campus
 Milton J. Bergstein, Marketing
 Rita G. Blatt, Chemistry, Capitol Campus
 Todd W. Bowersox, Silviculture
 Joseph L. Cavinato, Business Logistics
 Rupert F. Chisholm, Jr., Management,
 Capitol Campus
 Clifford C. Clogg, Sociology and Statistics
 John W. Dawson, Jr., Mathematics, York
 Campus
 Donald E. Fahnline, Physics, Altoona
 Campus
 Diana H. George, English, Behrend
 College
 Frederick A. Hussey, Administration of
 Justice
 Harriet C. Isom, Microbiology, Hershey
 Michael A. Kersnick, Business
 Administration, Delaware County
 Campus
 Jeffrey S. Lannin, Physics
 Donald P. Lookingbill, Medicine, Hershey
 Joan D. Mandie, Sociology, Delaware
 County Campus
 Emilia E. Martinez-Brawley, Social
 Welfare
 James H. Miller, Business Logistics
 Kenneth L. Miller, Radiology, Hershey
 Richard A. Mollo, Electrical Engineering
 William A. Nahhas, Obstetrics and
 Gynecology, Hershey
 Stephen H. Nellis, Medicine, Hershey
 Leonard R. Riforgiato, History, Shenango
 Valley Campus
 Robert E. Shute, Health Education
 Janos Simon, Computer Science
 Stanley P. Stephenson, Jr., Economics

S. Edward Stevens, Jr., Microbiology and
 Cell Biology
 Richard B. Tenser, Medicine and
 Microbiology, Hershey
 H. Randolph Thomas, Civil Engineering
 John E. Tyworth, Business Logistics
 Edward J. Walsh, Sociology
 Michael J. Waslenko, Economics
 Jeffrey S. Wicken, Biochemistry and
 Natural Science, Behrend College
 Thomas G. Winter, Physics, Wilkes-Barre
 Campus

TO ASSOCIATE LIBRARIAN

Jack E. Pontius
 Sara Lou Whildin, Delaware County
 Campus

TO ASSISTANT PROFESSOR

Pier L. Bandini, Architecture
 James Cauraugh, Physical Education,
 McKeesport Campus
 Kathryn Flaim, Physiology, Hershey
 Kathryn Kearns, Physical Education,
 Ogontz Campus
 Donna M. Laws, Family and Community
 Medicine, Hershey
 Tony M. Lentz, Speech Communication
 Stephen R. Mahaney, Computer Science
 Richard W. Sloan, Family and Community
 Medicine, Hershey
 Robert Walker, Health Education
 Charles W. Whitney, Obstetrics and
 Gynecology, Hershey
 Thomas Willson, Recreation and Parks
 Janet Woodcock, Medicine, Hershey
 Douglas C. Woolley, Family and
 Community Medicine, Hershey
TO RESEARCH ASSOCIATE
 John H. Beebe, ARL
 Anke Mans, Anesthesia, Hershey
 Louis A. Rubano, ARL
 Allen L. Treaster, ARL
TO RESEARCH ASSISTANT
 Doyle Grenoble, Horticulture

TO ADJUNCT PROFESSOR

Clifton A. Baile, Animal Nutrition
 Kenneth T. Leath, Plant Pathology

TO ADJUNCT ASSOCIATE PROFESSOR

Alfred G. Wheeler, Jr., Entomology

TO SENIOR EXTENSION AGENT

Robert C. Antram, Somerset Co.
 Urania B. Linn, Venango Co.
 Jacob E. Guffey, Bradford Co.
 Philip L. Sellers, Allegheny Co.
 Alfred T. Skala, Luzerne Co.
 Bernard L. Wingert, Warren Co.

TO EXTENSION AGENT

David L. Dunbar, Lehigh Co.
 Jack E. Erway, McKean Co.
 Roland P. Freund, Cumberland Co.
 Kathryn J. Hostetter, Cambria Co.
 Justine L. Olive, Philadelphia
 Charles G. Replögge, Allegheny
 Paul L. Stephenson, Philadelphia
 Bette D. Walters, Forest
 Gordon D. Walker, Mifflin
 George C. Wilcox, Erie

TO ASSOCIATE EXTENSION AGENT

Mary Jo Cook, Jefferson Co.
 David M. Cox, McKean Co.
 Michael P. Fournier, Bucks Co.
 Nancy M. Kadwill, Montgomery Co.
 Robert E. Leiby, Lehigh Co.
 Mary C. Lehman, S.W. Region
 Dawn M. Olson, Monroe Co.
 Rhonda M. Schember, Erie Co.
 William C. Shuffstall, N.C. Region
 Richard S. Smith, Tioga
 Roger W. Smith, Greene
 Thomas E. Walker, Washington
 Andrea V.J. Wise, Clearfield
 Kathleen A. Worthington, Sullivan

Faculty/Staff Alerts

Major Medical maximum increased

President Oswald is pleased to announce that effective July 1, 1981, the University will increase the maximum lifetime major medical benefit for each covered faculty and staff member from \$150,000 to \$200,000. In order to insure an adequate maximum level of protection for faculty and staff members and their dependents, the lifetime maximum will be increased by \$50,000.

The University's hospital/surgical/major medical program is a comprehensive plan designed to provide reimbursement of certain basic medical expenses at 100 percent and then reimbursement under the major medical provision at 80 percent for all other covered charges after a \$100 deductible has been satisfied. When \$5,000 of covered charges have accrued in a calendar year, the stop-loss provision becomes effective. This provision provides that all future covered charges incurred in that calendar year and during the next

calendar year are covered at 100 percent. Also, the deductible need not be satisfied in the second year.

This improvement in the health insurance coverage applies to regular full-time faculty and staff members, their covered dependents, as well as University retirees who were eligible to continue insurance into retirement and their covered dependents.

July 4 holiday

When an official University holiday falls on an employee's regularly scheduled day -
 (Continued on page 8)

Legislators approve budget

When INTERCOM went to press at noon on Tuesday, Penn State's budget bill had been approved by the House and the Senate in Harrisburg. The bill was awaiting signature by Governor Thornburgh.

Provost Eddy, expressing pleasure at the legislature's action in approving the \$133.8 million appropriation, said that the University will begin to implement its 1981-82 operating budget as soon as the Governor signs the bill.

Senior academic officers attending a two-day development workshop

A two-day development workshop is being held this week (June 25-26) for the University's senior academic officers under the sponsorship of the Office of the Provost.

Four speakers will address the workshop, according to Assistant Provost Richard P. Chait, who has organized the program.

Charles Lupton, executive director of the University's Office of Gifts and Endowments, will be the first speaker, providing a status report on OGE's existing services and discussing future directions for Penn State's fund-raising efforts.

A successful fund-raising campaign at another institution will be described by the next speaker, Charles Neel, dean of the College of Business at the University of Tennessee. Tennessee recently completed a two-year drive in which its announced goal of \$40 million was topped by some \$15 million. Dr. Neel has been asked to discuss his participation in this drive. Dr. Chait notes, because his college was the most successful in attracting gifts.

Operational strategies will be the topic of Chase Peterson, a physician who is currently vice president for health services at the University of Utah. Dr. Peterson came to Utah from Harvard University, where he was vice president in charge of development activities.

His comments will be directed toward the specific actions deans and senior academic officers can take to raise funds. These include preparing case statements, identifying and approaching donors, attracting deferred gifts and involving faculty members in fund-raising activities.

How a university as an entity determines priorities and develops a fund-raising strategy will be the subjects of the final speaker, Thomas Graves, president of William and Mary College and a former associate dean of the Harvard Business School.

The workshop will conclude with five "clinics." Participants were asked to identify areas of particular interest. Dr. Chait explains, and the clinics have been organized around these issues. Each group

(Continued on page 7)

Penn Staters

The United States Senate by a unanimous voice vote confirmed Nunzio J. Palladino, dean of the College of Engineering, to head the Nuclear Regulatory Commission. Dean Palladino's nomination was supported by a vote of 12-0 by the Senate Committee on Environmental Relations.

The world premiere of "Piano Fantasy" by John Beall was given recently by pianist Steven Smith, associate professor in the School of Music, at the Sorbonne in Paris. Professor Smith's performance was part of his second concert tour of France, Spain and Gabon. During the tour, he also presented broadcast recital programs for French and Spanish National Radios.

In other activities during the 1980-81 season, Professor Smith made a recording with the Claremont Quintet of chamber music for piano and winds. It was released by Crystal Records.

Dr. Edward Sichi, assistant professor of English at McKeessport, has been invited to the International Milton Symposium to be conducted July 7, 8 and 9 in London and at Milton's Cottage, Chalfont St. Giles. Dr. Sichi's paper, entitled "Milton, Mayhew and Thoreau: In Search of a Heritage," will contribute to the symposium theme, "Milton and His England," and will also mark the 300th birthday of William Penn, which is being jointly celebrated.

Dr. Nathan N. Aronson Jr., associate professor of biochemistry, was an invited speaker at the Fourth Symposium on Intracellular Protein Catabolism held recently in Reinhardtsbrunn, German Democratic Republic. He discussed inhibitors of protein degradation in liver. Dr. Aronson also presented seminars at the International Institute of Cellular and Molecular Pathology in Brussels, and at the biochemistry department of the University of Bern.

Eugene N. Borza, associate professor of history, served as general chairman of a symposium on Alexander the Great, held at the Art Institute of Chicago on June 5 and 6. The symposium was held in conjunction with "The Search for Alexander" exhibition, now at the Art Institute. Dr. Borza also presented a paper on "The Natural Resources of Ancient Macedonia" and chaired the special session on "History and the Vergina Excavations."

William R. Schmalstieg, professor and head of the Department of Slavic Languages, presented a paper on Baltic linguistics in Stockholm at the Sixth Conference on Baltic Studies in Scandinavia during the early part of June. During his stay in Europe, Professor Schmalstieg also gave two invited lectures at the University of Kiel and an invited seminar on certain problems of Indo-European linguistics at the University of Freiburg in Germany.

Dr. R.E. Tressler, chairman of the Ceramic Science and Engineering Program, presented an invited lecture at Cornell University. He summarized recent work at Penn State on the effect of high-temperature oxidation on the failure with time of high-performance silicon carbide ceramics. These ceramics are being tested in prototype advanced gas turbine engines for vehicular use, and in high-temperature heat exchangers for use with solar collecting towers, various industrial furnaces, and gas turbine engines.

Two new sculptures by Zeljko Kujundzic, professor of art at Fayette, are included in the Seattle 12-Person International Sculpture Invitational. The show, organized jointly by the Sculpture Society of British Columbia and the Seattle Artists Cooperative Association, is being held through June at Seattle's recently reconstructed Pioneer Square.



Dr. Robert W. Carrubba, professor of classics, has been named associate dean of the Graduate School. He has also been appointed assistant to the Vice President for Research and Graduate Studies. Both appointments will become effective in 1982.

"I'm extremely pleased that Dr. Carrubba has accepted this challenge," said Dr. James B. Bartoo, dean of the Graduate School. "As a scholar, he's had a long and productive association with the Graduate School. That and his experience in directing graduate research make him an excellent choice for this key position."

According to Dr. Richard G. Cunningham, vice president for research and graduate studies, Dr. Carrubba will devote much of his time in that office to

coordinating programs and services with those of the Graduate School. He will also serve as assistant director of the University's Intercollege Research Programs.

As associate dean, Dr. Carrubba will be the Graduate School's academic officer in charge of student programs.

He will be responsible for academic involvement of graduate students from admission to graduation, including registration, readmission, maintenance of records, appointment of graduate committees for doctoral students, scheduling of doctoral comprehensives, approval of students for graduation and handling of student academic problems.

"Dr. Carrubba will also continue his scholarly involvement in the College of the Liberal Arts," Dean Bartoo said.

In April, Dr. Carrubba was named one of 35 American Council on Education Fellows in Academic Administration for 1981-82. The fellowship, to be served at University Park under the direction of the Provost, is designed to prepare the recipient for key administrative positions.

A Penn State faculty member since 1969, Dr. Carrubba previously was on the faculties of Columbia University and St. John's University (Minn.).

He graduated egregia cum laude in 1956 from Fordham University, where he won the Xavier Scholarship and was a member of the honors program. He received the master's degree from Fordham in 1957 and a second master's from Princeton University. In 1964, he earned the Ph.D.

Cecile M. Springer, of Pittsburgh, has been appointed by Governor Dick Thornburgh to a three-year term on the University's Board of Trustees. Ms. Springer is director of contributions and community affairs for Westinghouse Electric Corporation.

She was formerly administrative assistant to the vice president and general manager of Westinghouse's Water Reactor Divisions. From 1974 to 1976, she was manager of product development for the company's Advanced Energy Systems Division.

From 1970 to 1974, Ms. Springer was principal planner on the Southwestern Pennsylvania Regional Planning Commission, coordinating planning in such areas as land use, services for the elderly and subsidized housing.

While in that position, she wrote a number of reports and brochures, among

them one entitled "Poverty in Southwestern Pennsylvania" and another, "A Time for Concern - Status of Elderly and Handicapped in Southwestern Pennsylvania."

Trained as a chemist, Ms. Springer worked as a research chemist at Bristol Myers Laboratories and Schering Pharmaceutical Laboratory, both in New Jersey, and in the Graduate Department of Biochemistry and Nutrition at the University of Pittsburgh.

Her bachelor's degree in chemistry is from Manhattanville College in New York. She holds two master's degrees, one in chemistry from Wellesley College and one in urban and regional planning from the University of Pittsburgh.

In recent years, Ms. Springer has served on a number of advisory and governing boards, among them the National

from Princeton where he was a Robbins Fellow and Danforth Teaching Fellow.

His numerous postdoctoral awards have included the American Council of Learned Societies Grant (1975-76) and Josiah Macy Jr. Foundation Research Grants (1966-73).

Dr. Carrubba's book publications include authorship of *The Epodes of Horace: A Study in Poetic Arrangement* and co-editorship of *Directory of College and University Classicists in the United States and Canada and Classics and the Classic Tradition*.

He edited three volumes of the *Journal of the Classic World* and three volumes of the *Proceedings of the American Philological Association*. He has written more than 50 articles, reviews and translations.

Dr. Carrubba was 1981 author of the National Classic League Latin Grammar Examination. He has served as chairman of the Committee on Awards for Excellence in the Teaching of the Classics.

He also is secretary-treasurer of the Central Pennsylvania Chapter of the Archaeological Institute of America and has been president of the Classical Association of the Atlantic States and chairman of the Selection Committee on Travel Grants in Classics of the American Council of Learned Societies.

From 1973 until 1976, Dr. Carrubba was executive director of the American Philological Society.

At Penn State, he is chairman of the University Faculty Senate Committee on Curricular Affairs.

Advisory Committee on Black Higher Education and Black Colleges and Universities; Appellate Court Nominating Commission of Pennsylvania; Honorary Advisory Committee, Pennsylvania Academy of Science; Pittsburgh Allegheny County Cultural Alliance; and Pittsburgh Regional Engineering Program.

She co-chairs the Executive Women's Council of Pittsburgh and is a member of the National Program Committee of the Council on Foundations.

Ms. Springer has been active in the Allegheny County Board of Assistance, the United Way of Allegheny County, the Energy Advisory Committee of the Governor's Energy Council and the League of Women Voters. She has been a trustee of Carlow College, Slippery Rock State College and the Winchester-Thurston School.

Dr. Richard L. McCarl, professor of biochemistry, has returned from two weeks in the state of Qatar (on the Arabian Gulf) as a visiting biochemist at the University of Qatar in Doha. During his stay, Dr. McCarl presented a formal public lecture, reviewed the chemistry department's program and interacted with department faculty. His visit was sponsored by the University of Qatar with the cooperation of the Consortium for International Cooperation in Higher Education. Penn State is a sponsoring institution of the Consortium through its membership in the National Association of State Universities and Land-Grant Colleges and the American Association of Colleges for Teacher Education.

Dr. Thomas A. Ryan Jr., associate professor of statistics, has been elected a Fellow of the American Statistical Association in recognition of his contributions to the profession.

Howard D. Bartlett, professor of agricultural engineering, has been elected a Fellow by the American Society of Agricultural Engineers (ASAE). Fellows are elected annually by ASAE's board of directors.

Dr. Thomas B. King, associate dean for Extension, was re-elected vice chairman of the board of trustees of National 4-H Council at the organization's recent annual meeting in Chicago.

Dr. Ben W. Twight, associate professor of forest resources, has been appointed to the editorial board of the *Journal of Forestry*.

Dr. E. Willard Miller, professor emeritus of geography and associate dean of resident instruction emeritus, was recently appointed to a three-year term as media materials editor of the *Journal of Geography*.

Dr. J. Conell Hatch, professor of agricultural communications, has been appointed to the board of directors of the *Journal of Extension* for a three-year term as a representative of Agricultural Communicators in Education.

Dr. Kenneth R. Graham has been appointed acting assistant dean for Continuing Education and director of Executive Programs in the College of Business Administration.

Dr. Graham currently serves as Assistant Director of Executive Programs. He assumes his new position on July 1, replacing Dr. James Ray Watson, who becomes assistant dean for executive education at the Fuqua Graduate School of Business at Duke University.

Sculpture by three artists currently or formerly connected with the University - Stephen Porter, Kevin O'Toole and Joe Mooney - is included in an exhibition being held at the Gross McClellan Gallery in Philadelphia through June 26. Mr. Porter is an associate professor of art at the University and works mainly with stainless steel and wood. Mr. O'Toole, a 1978 M.F.A. graduate of the University and currently preparator at the Museum of Art, works in wood and cast resin; and Mr. Mooney, a 1978 B.F.A. graduate, makes sculptures of welded steel.

Kathleen Burns Easler was honored recently as a distinguished alumna of Duquesne University. Mrs. Easler, who earned her B.A. in journalism from Duquesne in 1954, is public relations officer at the McKeessport Campus. She has been active in various community programs, including the McKeessport Advisory Council to the Pennsylvania Human Relations Commission and the Governor's Civil Tension Task Force.

Herbert Fogelman has been certified by the National Phlebotomy Association, the first member of the Hershey Medical Center phlebotomy team to do so. Mr. Fogelman has been employed in the Clinical Laboratories as a blood collector for more than 10 years.

(Continued on page 3)



Richard Morgan (right) and Charles Mann examine copy of "The Warkis of Sir David Lyndsay."

An extremely rare book, *The Warkis of Sir David Lyndsay*, printed in Edinburgh in 1568, has been given to the University Libraries by Dr. Richard Morgan, associate professor of biophysics at Penn State.

Dr. Morgan presented the book in memory of his grandfather, Lowell Mason Palmer, who bought it around the turn of the century. The book, which was handsomely bound in gold-tooled brown morocco by the famous firm of Riviere & Son, is known by only four other copies,

according to Rare Books Librarian Charles Mann.

The book is of scholarly importance because its author was one of the important transitional poets of Scotland during the Renaissance. Dr. Morgan's copy is the first edition of Lyndsay's collected poems, Professor Mann notes, and the only one to retain his original Scots spelling, giving some indication of how Lyndsay's word sounded to his contemporaries.

The Pennsylvania Research Corporation has approved 10 research grants totaling \$92,000 to University scientists and engineers whose proposals include potential inventions. The grants ranged from \$9,000 to \$12,000.

Royalties from three patented inventions already licensed to industry supplied the grant funds. The inventions are the ammonia Cold-Flo® equipment sold by U.S. Steel's Agri-Chemicals Division, the heart pacemaker telemetry advances licensed to Intermedics, Inc., and a delayed release mushroom nutrient marketed by Spawmte, Inc.

Separate royalty checks went to agricultural engineers William L. Kjelgaard and Paul E. Anderson for Cold-Flo®. For the pacemaker inventions, the Pennsylvania Research Corporation distributed checks to Dr. G.F.O. Tyers, a former Hershey heart surgeon, to Robert L. Brownlee, a former Penn State electrical engineer now employed in industry, and to the heirs of Dr. Carl Volz, a former Penn State electrical engineer.

Dr. Lee C. Schisler, professor of plant pathology, and former graduate student A. David Carroll Jr., now working in his family's Berks County mushroom business, received royalty checks for the mushroom nutrient.

The researchers who won PRC grants are: Dr. Edwin V. Gaffney, associate

professor of microbiology and cell biology (an assay for breast cancer); Dr. Howard C. Hughes, associate professor of comparative medicine, and Dr. Stephen H. Nellis, assistant professor of medicine (diagnosing and treating cardiac tachyarrhythmias via a microprocessor); Dr. Barnes W. McCormick, professor of aerospace engineering (preventing accidental spinning of aircraft); and Gerson Rosenberg, research associate in surgery, (an electric drive system for an implantable heart).

Dr. John H. Pazur, professor of biochemistry, will test the idea of modifying starch with enzymes, primarily for food stabilization and other industrial uses. Four projects dealing with mushrooms by Dr. Daniel J. Roysse, assistant professor of plant pathology; Mildred H. Jodon, research assistant in plant pathology; Dr. Lee C. Schisler, and H.R. Muthersbaugh, manager of the Mushroom Research Center; and one by Dr. Ayusman Sen, assistant professor of chemistry, on metal catalysis of carbon monoxide and olefins, complete the PRC supported grants.

Royalties were paid to the Pennsylvania Research Corporation by the Research Corporation, New York, which evaluates University inventions, patents those chosen, and searches for a licensee.

of agricultural economics at University Park. B.S., U. of Guelph; M.S., Ph.D., Purdue U.

Jeffrey K. Harris as assistant professor of surgery at Hershey. A.B., Colgate U.; M.D., U. of Colorado. Ophthalmology resident, U. of Minnesota.

Callan T. Lum as assistant professor of surgery at Hershey. M.D., Tufts U.; Ph.D. in progress, U. of Minnesota. Resident, transplant fellow, U. of Minnesota.

Robert F. Wideman Jr. as assistant professor of poultry science at University Park. B.A., U. of Delaware; M.S., Ph.D., U. of Connecticut. Post-doctoral research associate, U. of Arizona College of Medicine.

Nancy J. Green as research assistant in plant pathology. B.S., M.S. in progress, PSU.

David P. Robb as research assistant at Applied Research Laboratory. B.S., M.S. in progress, PSU.

Bookshelf

Geoffrey C. Godbey, professor of recreation and parks, has written a new textbook, designed to be an introduction to leisure behavior. It is entitled *Leisure in Your Life*, and was published by Saunders College Publishing.

The book includes a series of exercises designed to help the student better understand his or her own leisure behavior. Much of the writing reflects the content of the Leisure and Human Experience course that Dr. Godbey has taught to more than 1,000 Penn State students.

Though in the past social scientists have not taken the study of leisure behavior seriously, today there is increasing recognition that how one spends free time may be as important as, or more important than, one's formal employment, in terms of life satisfaction.

Dr. Godbey is currently on the International Sociological Association's Committee for Leisure and Popular Cultures. He is the author of two previous textbooks concerning recreation and leisure.

Dr. Roger Ladda, associate professor of pediatrics and chief of genetics at Hershey, has co-authored a two-volume publication, *Clinical Gendodermatology*, with Dr. Thomas Butterworth, retired professor of dermatology from the University of Pennsylvania and a Reading practitioner. This is a completely re-written and expanded edition of a publication originally prepared by Dr. Butterworth in 1969 and deals with heritable diseases that relate to the skin.

Dr. Michael A. Barendse is the author of a monograph published recently by the Penn State Press. The work, *Social Expectations and Perception: The Case of the Slavic Anthracite Workers*, is Number 47 in The Pennsylvania State University Studies. The 72-page study is priced at \$3.50.

The observations reported in this monograph by Dr. Barendse, an assistant professor of sociology and American studies at the Worthington Scranton Campus, present a new view of the Slavic impact on Pennsylvania's anthracite fields. This study, in fact, was prompted by his observation of a sharp dichotomy in interpretations written before and after the mid-1960s, but relying on the same data, of the impact of the Slavic immigrants.

Investigations dated between 1902 and 1964 blamed the Slavic immigrants for the exploitation of anthracite mines, the initial failures of unionization and the relative social backwardness of Northeastern Pennsylvania. The old view led to the "split labor market" theory, which holds that immigrants tend to divide the labor market by their willingness to work for lower wages than those demanded by the established work force.

In this volume, however, Dr. Barendse notes that since 1964 historians such as Victor Greene and Harold Aurand have shown that Slavic immigrants in the anthracite fields were in fact a progressive social influence, even spearheading United Mine Workers organizing strikes.

The monograph also includes a brief history of the anthracite industry from 1740 to 1890 (when the Slavs arrived), a survey of immigration history, and an epilogue on the assimilation of Slavic-Americans into American society down to the present.

Promotions

Staff Exempt

Elizabeth M. Cooke to bookstore manager at Delaware County.

Terry L. Corl to service advisor in Business Services.

Edward C. DeBrasky to assistant scheduler/senior customer service representative in Physical Plant.

Kathleen J. Ebersole to supervisor, Renal Unit at Hershey.

John D.C. Heckman, supervisor of maintenance, housing, in Housing and Food Services.

Barbara Hoffmann to administrative assistant at Hershey.

Donald E. Leitelt to coordinator, grants and contracts, in Liberal Arts.

Ruby F. Noll to administrative services coordinator in Intercollege Research Programs.

William Piekielek to senior research aide in Agriculture.

Clerical

Cynthia Barger to secretary Bin Engineering.

Norma L. Beck to clerk A, loans and grants, in Student Administrative Services.

Nancy E. Crowder to secretary Bin Education.

Jayne Kelter to secretary B at Capitol.

Anthony J. Petro to senior accounting clerk in Arts and Architecture.

Mary Beth Schraf to secretary C in Engineering.

Virginia L. Wheeler to senior serials clerk at Hershey.

Technical Service

Shirley L. Houser to senior milk testing machine operator in Agriculture.

Stephen E. Sellers to audio visual driver dispatcher in Continuing Education.

Kenneth H. Shope to guard at Applied Research Laboratory.

Louella Strouse to salesroom attendant in Agriculture.

Carpoolers

Doris Centzel is seeking a ride to and from Spring Mills. She works 8 a.m. to 5 p.m. in Shields Building (865-6357). Her home phone is 422-8127.

Obituaries

Dr. Francis H. Fenlon, associate professor of engineering science, died June 18 at the age of 41.

A graduate of University College in his native Dublin, Ireland, Dr. Fenlon earned his doctorate in electrical engineering at the University of Liverpool. He joined Penn State's Applied Research Laboratory in 1975 as a senior research associate and was named an associate professor four years later.

Prior to joining the University, he was employed in industry. His research interests were in nonlinear acoustics, nonlinear signal processing, turbulence-induced noise and acoustical diffraction theory.

Samuel I. Auker, retired department head for business and personnel services in the College of Agriculture, died June 12. He was 72. Mr. Auker, a 1931 graduate in commerce and finance from Penn State, was employed at the University from 1930 until 1961.

Curtis L. Corl, a truck driver with the Office of Physical Plant, died June 9 at the age of 81. He was employed by the University from 1930 until 1961.

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Appointments

Dr. Michael T. Snider as associate professor of anesthesiology at Hershey. M.S., Ph.D. in physiology; M.D., all from Emory U. Resident, staff anesthesiologist, Massachusetts General Hospital, Harvard, MIT.

Elizabeth R. Baker as assistant professor of obstetrics and gynecology at Hershey. M.B., M.D., Duke U. Resident, Duke Med. Center; instructor/fellow, Med. Univ. of Cal.

Daniel F. Dedrick as assistant professor of physiology at Hershey. S.B., MIT; M.D., Yale U. Resident, staff anesthesiologist, Harvard, Mass. General Hospital, Harvard.

James W. Griffith as assistant professor of comparative medicine at Hershey. B.S., M.D., U. of Missouri. Private practice; path. resident, U. of Pennsylvania.

Samuel F. Harling as assistant professor,

Partings

Yoshio Fukuyama, professor and head of the Department of Religious Studies, will retire June 30 with emeritus rank. He will become professor and academic dean at the Chicago Theological Seminary, a graduate theological school related to the United Church of Christ. The Seminary has also been affiliated with the University of Chicago, where Dr. Fukuyama earned B.D. and Ph.D. degrees.

Dr. Fukuyama joined the Penn State faculty in 1967 and became department head in 1975. Prior to that time, he had taught at the American School in Talas-Kayseri, Turkey, and Union Theological Seminary in New York City.

He is the author of *The Ministry in Transition: A Case Study of Theological Education*, published by Penn State's Press, and co-author of *The Fragmented Layman: An Empirical Study of Lay Attitudes*.

During a 1974 sabbatical, Dr. Fukuyama was a visiting professor at the Doshisha University and a visiting research scholar at the Center for the Study of Japanese Religions in Kyoto, Japan. That trip was the beginning of research he hopes to continue while at Chicago on Japan's underground Christian movement of the 18th and 19th centuries.

Last spring, he was awarded an honorary D.D. degree from the Seminary in connection with its 125th anniversary convocation. He also received a similar honorary degree from Doane College, where he did his undergraduate study.

Vincent L. Pass, associate professor of architectural engineering, will retire on June 30. He has been a member of the faculty since 1955.

During WWII he served with the U.S. Naval Air Force, mostly in the South Pacific. He completed his B.S. in architectural engineering at Penn State in 1948 and then became an instructor at the University of Texas. While there, he completed an M.S. in architectural engineering in 1951. Before returning to Penn State he was a senior structural engineer with the General Motors Corporation.

His main emphasis has been undergraduate teaching and student affairs. Primarily he was involved in teaching courses in analysis and design of building structures. He is particularly proud of the consistently high teaching ratings he has received over many years. These ratings resulted in his receiving the Lindback Award for superior teaching in 1969. Later in 1972 he received a similar award for excellence in instruction of engineering students from the American Society for Engineering Education.

Professor Pass's research efforts concern solar heat gain through different combinations of glass types and shading devices.

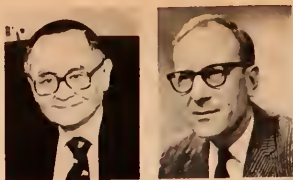
He is a registered professional engineer and after retiring expects to devote some time to consulting in his field and to enjoying operating his small farm.

Dexter N. Putnam, professor of dairy science Extension, will retire June 29 with almost 25 years of service.

Since 1956 Mr. Putnam has been responsible for the development and continued operation of electronic data processing of dairy production records through the Pennsylvania Dairy Herd Improvement Association (DHIA). Penn State is one of 10 centers throughout the United States that annually processes DHIA production records for more than 3.9 million cows in some 58,000 herds.

The author of "How Production is Recorded," a section of a college text, *Dairy Cattle Breeding*, Mr. Putnam earned his B.S. at the University of New Hampshire and his M.S. at West Virginia University, both in dairy husbandry.

In 1973, he was recipient of the Pennsylvania Dairyman's Association Extension Award and in 1978 of the Pennsylvania Jersey Cattle Club Award.



Prof. Fukuyama



Prof. Pass



Prof. Putnam



Coach Medlar

Mr. Searly

Charles "Chuck" E. Medlar, Nittany Lion baseball coach and assistant professor in the College of Health, Physical Education and Recreation, will retire June 30.

The "dean" of the Nittany Lion coaches, Mr. Medlar has served 35 years on the athletic staff and the last 19 years as the head baseball coach, during which he compiled a career record of 312 wins, 141 losses and six ties for a 68.9 winning percentage.

Nine of Mr. Medlar's teams reached the National Collegiate Athletic Association playoffs; his teams also won District 2 playoffs in 1963 and 1973, with a fifth-place finish in the 1963 College World Series. In addition, his 1963 and 1973 teams earned Mr. Medlar District Coach-of-the-Year honors.

A 1946 Penn State graduate, Mr. Medlar served as head trainer for the 1968 Olympic Games in Mexico City and on the training staff for the 1964 Olympic Games in Tokyo. He is a member of the National Athletic Trainers Association Hall of Fame and of the American Association of Collegiate Baseball Coaches Hall of Fame.

"I couldn't have had a better, more rewarding job than this one. I've worked in every area except the Design Room, and there never has been any aspect of my Penn State career that has been distasteful."

So remarks Ralph F. Searly, director of the Physical Plant and Maintenance and Operations, who is retiring June 30 after a University tenure spanning 34 years.

Noting that he sometimes is asked why he is retiring now — at age 53 — Mr. Searly says: "I'm an active guy with many varied interests. It's a case of my wanting to do some things I've always wanted to do, such as setting up my own carpentry shop and seeing more of America."

Active for some 25 years in the fraternal order of Free and Accepted Masons, Mr. Searly is the fraternal head of the order's Tall Cedars of Lebanon. As such, his retirement plans include broader responsibilities with both the Tall Cedars and the Masons.

Mr. Searly began his University employment in 1947 on the G.I. Bill as an apprentice cabinet maker. He subsequently worked on the carpentry crew, as a job coordinator, and as head of the production division before assuming his present position in late 1968.

Meanwhile, he took University courses and earned his B.S. degree in business administration in 1969, just one year before son Ralph L. earned his bachelor's degree in industrial arts education.

In addition to visiting daughter Lou Ann in Europe, Mr. Searly and his wife, Ella Mae, plan to use some of their free time to see more of their other three children: Ralph in Owingsburg, Pa.; Edward in Seattle, Wash.; and Margaret in Millifont, Pa.

Mary R. Ferry, associate librarian at the Hazleton Campus, retired May 30 after working at the Campus since 1956.

Of her 25 years as the librarian at Hazleton, Mrs. Ferry recalls 1972 as the most exciting because that was the year when the new library was constructed.

"The library has moved three times while I've been here," she says, adding that she helped plan the present one and was responsible for selecting all its furnishings and equipment.

Included in her retirement plans are

playing golf and traveling with her husband, Paul, to visit her son, Philip, in Arizona and her daughter, Suzanne, in the Poconos. Suzanne is a 1973 Penn State graduate and Philip attended the University.

Mrs. Ferry, who observes that "working in a University environment with all the students has kept me young," says she will miss her professional relationship with both students and faculty.

Dr. Ray Watson, assistant dean for continuing education and director of Executive Management Programs in the College of Business Administration, is retiring June 30. Dr. Watson joined the Penn State faculty in 1971 after a 23-year affiliation with Hallmark Cards.

He holds Ph.D. and M.S. degrees from the University of Illinois and a B.S. from Northwestern University.

Dr. Watson has accepted a position as assistant dean of the Fugua School of Business at Duke University, which he will assume July 1.

Dr. Hugo A. Meier, associate professor of American history, will retire June 30. A member of the faculty since 1963, Dr. Meier earned his Ph.D. at the University of Wisconsin. His area of specialization is technology and society.

John C. Villaume, associate professor of business administration at Worthington Scranton, will retire June 30. A faculty member since 1970, he served as acting director of the Campus in 1978.

A former president of International Correspondence Schools, he holds an A.B. from Gettysburg College and an M.A. from Duke University. The University of Scranton awarded him an honorary doctor of laws degree in 1965.

Joseph G. Foster, assistant professor of Romance languages at the McKeesport Campus, will retire June 30 after being a member of the Penn State faculty since 1959.

Professor Foster, who will reside in Millifont after his retirement, received his A.B. in 1949 from the University of Chicago and his M.A. in 1954 from Penn State, both in French.

John P. Deraux, a member of the faculty since 1950, will retire June 30. An assistant professor of business administration, he earned his B.S. from Rutgers University and his M.A. at Columbia, both in education.

William J. Gentzel, senior teller in the Office of the Controller, is retiring June 30 after working for the University since 1952.

Mr. Gentzel began his University tenure as a group leader in Janitorial Service in Willard Building. He also served with the Campus Patrol before joining the Bursar's Office as a teller in 1964.

"It's been a good way to serve the public and to generate good will for the University," he says of his Penn State service. "I especially have enjoyed working with the students, which, in one way or another, I've been doing during my entire career."

Included in his retirement plans are spending time outdoors — where he likes to fish and cut wood — and working around his Spring Mills residence with his wife Cathrine, a part-time employee in the Office of the University Registrar.

Mr. Gentzel is a charter member of the

Spring Mills Fire Company and a member of the Millheim Fire Company. He also is a member of a team in the Nittany Mountain Bowling League.

Elmer E. Grenoble, shop painter in the Office of Physical Plant, will retire June 30 after working for the University since Aug. 15, 1949.

Mr. Grenoble began his Penn State career with Janitorial Service in Potter Hall. He also worked in Sparks Building and as a group leader for wall washers before assuming his most recent position about 16 years ago.

Noting that he enjoys the outdoors, Mr. Grenoble says he will be doing a lot of hunting, fishing and gardening in his retirement.

June 30 is the retirement date for the following members of the University's faculty and staff:

William Nydegger, an assistant professor of anthropology since 1963; Denton A. Steffy, assistant professor of engineering at Berks since 1962;

Sybil B. Coble, Fulton County Extension home economist since 1963; Jorge A. Pena, research air pollution meteorologist in the College of Earth and Mineral Sciences since 1967;

Merle Fox, senior assistant librarian at DuBois since 1969;

Henry P. Cowen, a financial officer in the Office of the Controller since 1962; James L. DeLong, a contract and proposal specialist in the President's Office since 1968;

John D. Mason, administrative assistant in speech communication since 1966;

Charlotte M. Wentz, resident assistant housekeeping supervisor with Housing and Food Services since 1970;

Aileen G. McKeone, an accounting clerk at Schuylkill since 1967;

Helen L. Ginchir, records clerk in the President's Office since 1965;

David L. Porter, a structural maintenance inspector with the Office of Physical Plant since 1964.

Roy A. Rossman, maintenance worker in the Office of Physical Plant since May 25, 1970, retired May 30.

P. Richard McMullen, a utility worker at Hershey since Dec. 4, 1968, retired June 13.

Willard W. Grenoble, a poultry worker in the College of Agriculture since Sept. 19, 1967, will retire June 27.

Martha K. DePalma, a senior office secretary in Student Affairs, left the University March 28 after serving since Sept. 1, 1968.

Robert M. Olley, chief radiologic technologist at Hershey Medical Center, left the University June 1 after serving since Oct. 1, 1970.

Sandra C. Good, a graphic artist at Hershey Medical Center since Dec. 14, 1967, left the University on June 5.

Edward J. Dahmus, a systems planning specialist with Management Services, left the University on June 6. He had been employed since March 23, 1970.

Vera J. McCann, a janitorial foreman with Physical Plant, left the University on June 20 after serving since Sept. 15, 1966.

University Park Calendar

June 25- July 12 Special Events

Thursday, June 25

Festival Theatre, Garson Kanin, *Born Yesterday*, 8 p.m., The Pavilion Theatre.
GSA Explazagana Concert, *Coming Home* (Jane Fonda, Jon Voight), dusk, Fisher Plaza.

Friday, June 26

Pass/Fall (10 week Summer Term).
Commonplace Theatre, *Cousin, Cousine*, 7:30 p.m.; *Wifemistress*, 9:15 p.m., Room 112 Kern.
Festival Theatre, *Born Yesterday*, 8 p.m., The Pavilion Theatre.

HUB Movies, *High Noon*, 9:30 p.m., HUB Lawn.

Saturday, June 27

Opening reception for "Hemline, Neckline, Streamline: Women's Fashions 1890-1940," 3-5 p.m., Museum of Art.
France-Cinema, *Cousin, Cousine*, 7:30 p.m.; *French Postcards*, 9:15 p.m., Room 112 Kern.
Festival Theatre, *Born Yesterday*, 8 p.m., The Pavilion Theatre.

Nittany Mountain Summer Festival, "A Party with Betty Comden and Adolph Green," 8 p.m., Eisenhower Auditorium.

Sunday, June 28

Commonplace Theatre/France-Cinema, *French Postcards*, 7:30 p.m.; *Wifemistress*, 9:15 p.m., Room 112 Kern.
Festival Theatre, *Born Yesterday*, 7:30 p.m., The Pavilion Theatre.

Monday, June 29

Penn State Scholars Program, through July 2.
Pass/Fall (10 week Summer Term).
Registration for eight, six and three week Summer Terms, 1-4:30 p.m., Activities Room, IM Bldg.

Fuel Science Seminar, Dr. Brian T. Kelly, Springfield Nuclear Power Development Labs, on "Radiation Damage in Graphite," 4 p.m., Room 301 Steidle.
Commonplace Theatre/France-Cinema, *Cousin, Cousine*, 7:30 p.m.; *Wifemistress*, 9:15 p.m., Room 112 Kern.

Tuesday, June 30

Eight week Summer Term classes begin, 8 a.m.
Drop deadline (10 week Summer Term).
Pass/Fall (10 week Summer Term).

Course repeat deadline (10 week Summer Term.)

GSA Explazagana Concert, Barbara Singer and The Doom Lang Chorus, 7 p.m., Fisher Plaza.

Festival Theatre, *Born Yesterday*, 8 p.m., The Pavilion Theatre.

Wednesday, July 1

Commonplace Theatre, *The Hobbit*, 7:30 and 9 p.m., Room 112 Kern.
Festival Theatre, *Born Yesterday*, 8 p.m., The Pavilion Theatre.

Thursday, July 2

Fuel Science Seminar, Dr. Brian McEnaney, Univ. of Bath, on "A New Interpretation of the Relation between the Characteristic Adsorption Energy and Gyration Radius for Microporous Carbons," 11 a.m., Room 301 Steidle.
UDIS workshop, "Test Construction," 1:30 p.m., Room 128 Mitchell. Reservations, 863-0668.

Fuel Science Seminar, Dr. Jacob Moulijn, Univ. Van Amsterdam, on "Mechanism of Nickel and Potassium Catalysis of Coal Gasification," 4 p.m., Room 301 Steidle.

Commonplace Theatre, *The Hobbit*, 7:30 and 9 p.m., Room 112 Kern.
Festival Theatre, *Once Upon a Mattress*, 8 p.m., The Playhouse; *Born Yesterday*, 8 p.m., The Pavilion Theatre.

Friday, July 3

Concerts by the Nittany Valley Symphony Orchestra and the Allegheny String Band and fireworks, 7 p.m., fields near Beaver Stadium. Rain date, July 4.
Festival Theatre, *Once Upon a Mattress*, 8 p.m., The Playhouse; *Born Yesterday*, 8 p.m., The Pavilion Theatre.

Saturday, July 4

Independence Day.
Festival Theatre, *Once Upon a Mattress*, 8 p.m., The Playhouse; *Born Yesterday*, 8 p.m., The Pavilion Theatre.

Sunday, July 5

Alumni Assn., Vacation College, "Shaping the '80s," through July 11. Information, 865-6516.

Opening reception for the Central Pennsylvania Festival of the Arts "Festival Gala," 7-9 p.m., Museum of Art.

Festival Theatre, *Once Upon a Mattress*, 7:30 p.m., The Playhouse; *Born Yesterday*, 7:30 p.m., The Pavilion Theatre.

Monday, July 6

Deadline for August graduates to deliver doctoral theses to Committee.

France-Cinema, Renoir, *Rules of the Game*, 7 and 9 p.m., Room 112 Kern.

Interdisciplinary Symposium on Value, 7:30 p.m., Room 101 Kern. Chris Johnson, speech, Delaware County, on "Ethics, Communication and the Pursuit of Wisdom: Creating Humane Knowledge."

Tuesday, July 7

Late registration deadline (8 week Summer Term).

Add deadline (8 week Summer Term).
Preregistration deadline for Fall Term.

Phi Delta Kappa Summer Seminar Series, 2:20 p.m., Room 101 Kern. Don Smiley, community liaison, International Year of the Disabled Person, on "Barrier-Free Living in the Community."

GSA Explazagana Concert, Bill McCloskey and Richard Sleight, 7 p.m., Fisher Plaza.

15th Annual Central Pennsylvania Festival of the Arts (CPFA), opening ceremonies and street dancing, evening, downtown.

Festival Theatre, *Once Upon a Mattress*, 8 p.m., The Playhouse; *Born Yesterday*, 8 p.m., The Pavilion Theatre.

Wednesday, July 8

CPFA, Children's Day, 10 a.m.-10 p.m.
Festival Theatre, *Once Upon a Mattress*, 8 p.m., The Playhouse; *Born Yesterday*, 8 p.m., The Pavilion Theatre.

Thursday, July 9

CPFA, sidewalk sales and exhibitions, noon-midnight, campus and downtown.
Penn State Dames meeting, 7:30 p.m., Room 101 Kern.

Festival Theatre, *Once Upon a Mattress*, 8 p.m., The Playhouse; *Born Yesterday*, 8 p.m., The Pavilion Theatre.

GSA Explazagana Film, *The Little Prince* (Gene Wilder, Richard Riley), dusk, Fisher Plaza.

Friday, July 10

Board of Trustees meeting, Ogontz Campus.
CPFA, sidewalk sales and exhibitions, 9 a.m.-midnight, campus and downtown.

Commonplace Theatre, *Bring There, 7 p.m.*; 10:15 p.m., Room 112 Kern.

Nittany Mountain Summer Festival, John Hartford, bluegrass music, 7 and 9 p.m., Eisenhower Auditorium.

Festival Theatre, *Once Upon a Mattress*, 8 p.m., The Playhouse; *Born Yesterday*, 8 p.m., The Pavilion Theatre.

Saturday, July 11

Board of Trustees meeting, Ogontz Campus.
Deadline for August graduates to deliver master's theses or papers to adviser.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

CPFA, sidewalk sales and exhibitions, 9 a.m.-midnight, campus and downtown.
France-Cinema, Brusati, *Bread and Chocolate*, 7 and 9 p.m., Room 112 Kern.

Festival Theatre, *Once Upon a Mattress*, 8 p.m., The Playhouse; *Born Yesterday*, 8 p.m., The Pavilion Theatre.

Nittany Mountain Summer Festival, New

American Ragtime Ensemble, 8 p.m., Eisenhower Auditorium.

Sunday, July 12

CPFA, sidewalk sales and exhibitions, noon-midnight, campus and downtown.
Commonplace Theatre, *Bring There, 7 p.m.*; 10:15 p.m., Room 112 Kern.

Festival Theatre, *Once Upon a Mattress*, 7:30 p.m., The Playhouse; *Born Yesterday*, 7:30 p.m., The Pavilion Theatre.

Exhibits

Chambers Gallery: open Monday through Friday, 8 a.m.-5 p.m. Michael Starner, pottery and glass; Kaye Amr, drawings and paintings, both through July 1. CPFA Child Art exhibit, open July 6.

Kern Gallery: open Monday through Saturday, 8 a.m.-11 p.m. Carol Norton-11 p.m. Benjamin A. Saggese, prints and paintings, through June 26. CPFA Jr. Photography exhibit and Glass Invitational, both open July 5.

Museum of Art: open 11 a.m.-4:30 p.m. Closed Mondays. Tours, Sundays, 1:30 p.m. Special hours July 9-11, 11 a.m.-8 p.m. Twentieth-century works from the Museum's collection, "Hemline, Neckline, Streamline: Women's Fashions 1890-1940" from the collection of Beverly Birks, opens June 28. CPFA Junior Crafts exhibit, opens July 5.

Pattie Library: Susan Nushum, paintings, through July 1. Paul Matthews, paintings, opens July 1. East Corridor Lobby, Dave Hamilton, photographs, through July 1. Beverly Laverdiere, paintings, opens July 1. Lending Services Lobby, Dave Hamilton, photographs, through July 1. Carol Treat, ceramics, opens July 1. Main Lobby, Martha Carothern, "The Design and Production of Children's Novelty Books," Rare Books Room.

Visual Arts Zoller Gallery: open 11 a.m.-4:30 p.m. Closed Mondays. Special hours July 9-11, 11 a.m.-8 p.m. Lannie Soanese, posters, opens July 1.

Fashion exhibit reflects 1890-1940 cultural history

A gorgeous gallery of women's fashions dating from 1890 to 1940 opens to the public on June 28 at Penn State's Museum of Art.

Drawn from the collection of Beverly Birks, this "Hemline, Neckline, Streamline" show offers a visual feast of satin brocades and velvets, silk gauze ruffles, silver lame and lace — as well as a serious look at the cultural history of the period.

The 42 pieces on display were culled from Ms. Birks' collection of some 2,000 items of dress. Three were lent by the surreal designer, Billy Boy. The labels evoke the legendary designers of haute couture — among them, Worth, Poiret, Fortuny, Chanel and Mainbocher.

While the exhibit can be enjoyed solely for its beauty, it functions also on another level, according to Museum Curator Olga Preisner. Visitors can follow European and American fashions from their radical transformation at the turn of the century to the eve of World War II.

"Fashion became a means by which women stated and heightened their identity," Dr. Preisner explains in the exhibition's catalog, noting:

"... women's fashion was distinguished by two aspects. One is consistent with man's traditional vision of women, while the other confirms the vested and inviolable rights of femininity."

One of the earliest pieces in the show is an opera coat by Charles Frederick Worth, who in 1850 established in Paris the first true house of haute couture. "He must be credited with dressing the most famous women in the western world for 50 years with bustles, bows, trains and ruffles," Dr. Preisner says. "The attitude of the epoch is expressed in a proverb from the Spanish homeland of Eugenie (Napoleon III's Empress), 'Only God helps the badly dressed.'"

Shortly before the turn of the century, women cosseted themselves to achieve a matronly S-shaped figure. "But the corset brought about a curious ambivalence in women's clothes," Dr. Preisner continues, "for it was designed to shape the woman's body into the desirable contours demanded by men's stereotypes and standards, while at the same time it served as armour under the protection of which the woman remained inviolable in the new ambitious femininity."

The S-curve figure developed into the monobosom suit in 1899, exemplified in an afternoon tea gown of cream lace applique on net on display at the Museum. Then in the early years of the 20th century, fashion was transformed by Paul Poiret, whose exotic tastes, influenced by both the Near and Far East and by Diaghilev's Ballet Russe, brought in the tunic, the hobble skirt and the lampshade silhouette. At the same time, Mariano Fortuny created his

famous "Delphos" silhouette, which followed the shape of the body; its admirers claimed it made women look like "breathing rainbows." The Museum's example of the "Delphos" has a pleated black china silk dress. There is also an opera coat by Poiret.

World War II did not put an end to showy clothes, Dr. Preisner points out. The roaring '20s revealed the leg, took away the waistline and increased the décolletage. Designers, influenced strongly by modern art, reflected the Cubist and Art Deco movements in bias cuts or patterns on dresses. One aspect of the work of "Coco" Chanel, who introduced the basic functional wardrobe of the modern era, is represented by an afternoon tea dress, whose dropped skirt consists of layers of geometric Art Deco style petals.

Tailored suits and classic dresses in importance during the '30s. Museum visitors can see an afternoon cocktail gown by the great Mainbocher, a Schiaparelli cape and jacket, a tailored Adriani suit and Lilly Daché hats. The show concludes with a 1947-48 riding ensemble designed by Jean Cocteau and Charles Berard for the film, *The Eagle Has Two Heads*, just at the time of Dior's "New Look."

The show will remain at the Museum through Sept. 13. It is part of Nittany Mountain Summer Festival 1981, which also includes the Festival Theatre (865-1884) and Music and Dance (863-0255).



A Jean Patou evening gown, c. 1935, is modeled by Beverly Birks, from whose fashion collection 42 pieces are on display in the Museum of Art.

News in Brief

Bargaining to begin

Representatives of The Pennsylvania State University and Teamsters Local No. 8 announced that collective bargaining meetings commenced on Tuesday, June 23, 1981, for a new labor agreement to replace the agreement that expires June 30.

Teamsters Local Union No. 8 represents approximately 2,400 University workers employed in areas such as residence and dining halls, physical plant, the academic colleges and other operating areas at all University locations.

Bargaining had been delayed because of unfair labor practice charges the parties had filed with the Pennsylvania Labor Relations Board over a request from the Union on the number of hours worked for the University by University students.

The Union and University representatives met in Harrisburg on Friday, June 19, with a representative appointed by the Labor Board and reached mutually satisfactory agreement on the issue, according to Earl W. Lutz, Local 8 President, and James M. Elliott, University Director of Personnel Relations.

19 spaces reserved for Fleet customers

University employees who wish to leave their motor vehicles on campus while renting vehicles from Fleet Operations may park in one of 19 spaces reserved especially for this purpose.

The spaces are located in the east Orange "A" lot adjacent to the Fleet Operations Office in the Maintenance Building. The spaces are designated by new blue-on-white signs which read: RESERVED 24 HOUR - FLEET CUSTOMERS - NO ORANGE "A" PERMITS.

The new signs are intended to deter Fleet Operations customers from parking their personal vehicles elsewhere in the Orange "A" lot, which is designated as an open faculty-staff parking area. Customers with Orange "A" permits may, of course, park in the lot's regular spaces, which also are adjacent to Fleet Operations.

Fleet Operations suggests that since the University has no liability for faculty-staff personal vehicles, it is wiser to leave them at home when renting a vehicle.

Leader dogs may enter University buildings

Although dogs are not allowed in University buildings, the University will allow children participating in the 4-H Leader Dog Program to take their dogs into all buildings.

The dogs, which are being trained to serve as leader dogs for the blind, wear identifying green "coats."

Classics Department moves to Burrows

The Department of Classics has recently been relocated from its former offices in Carnegie Building to offices in Burrows Building. The main office is Room 310 Burrows; the telephone numbers remain the same (865-8851 and 863-1778).

Journalism sequences are reaccredited

The advertising and news-editorial sequences in the School of Journalism were recently reaccredited by the Accrediting Council on Education in Journalism and Mass Communications.

According to Don Carter, ACEJMC president, 194 communications programs at 81 universities have been accredited by the Council. Programs are examined every six years.

Canadians visit Fayette to observe mining program

Three representatives from Canada's East Kootenay Community College visited the Fayette Campus to observe Penn State's successful Coal Mining Technology program, now in its 12th year.

Canada, like the United States, has huge coal reserves, and a coal production boom has created shortages of qualified mine personnel. East Kootenay, which has nine campuses in British Columbia, plans to establish a mining technology program to alleviate the problem.

Pattee announces Summer Term hours

Summer hours for Pattee Library and the branch libraries at University Park will be as follows: Monday through Thursday, 7:45 a.m. to 1 p.m.; Fridays, 7:45 a.m. to 9 p.m.; Saturdays, 7:45 a.m. to 5 p.m.; and Sundays, 1 p.m. to 10 p.m.

The Pollock Library is now open for Summer Term and will close Aug. 21. Summer hours will be from 1 p.m. to midnight.

UDIS to offer two summer workshops

The University Division of Instructional Services (UDIS) will sponsor two seminar/workshop activities for faculty members during the Summer Term. Presentations will be held in Room 128 Mitchell Building. For a synopsis of each seminar/workshop or to sign up for a specific seminar/workshop, call 863-0668.

The seminar/workshop topics and dates are Test Construction, Thursday, July 2, 1:30-3:30 p.m.; and Enhancing Classroom Communication, Wednesday, July 15, 1:00-4:00 p.m.

Education society donates \$400 for curriculum study

The University's Alpha Tau chapter of Phi Delta Kappa, a professional education fraternity, has donated \$400 to the Society for the Study of Curriculum History to underwrite the costs of publishing a recent volume of the Society's papers.

Two College of Education faculty members, both in the Division of Curriculum and Instruction, contributed

to the volume's production: Edmund C. Short, associate professor of education, served as editor; and Murry R. Nelson, assistant professor of education, co-authored two articles.

Dr. Nelson is president-elect of the Society, which was founded in New York City in 1977 by a small group of curriculum scholars.

Fleet Operations changes hours of operation

Fleet Operations announces a change in its hours of operation, effective June 15.

Mondays through Fridays, it will be open from 5:45 a.m. to 1 a.m. Hours for Saturday and Sunday are 5:45 a.m. to 4 p.m. These hours will remain in effect until further notice.

Rock Mechanics Lab sponsoring two conferences

International experts in two related areas — microseismic activity in geologic structures and the mechanical behavior of salt — will attend conferences being sponsored this fall by the University's Rock Mechanics Laboratory.

The Third Conference on Acoustic Emission/Microseismic Activity will be held Oct. 5-7, and the First Conference on the Mechanical Behavior of Salt, Nov. 9-11.

Co-chairman of both conferences is Dr. H.R. Hardy Jr., professor of mining engineering and director of the Rock Mechanics Laboratory.

Ag film library housed at Special Services

The College of Agriculture film library is now being housed at the Special Services Building and can be ordered through Audio-Visual Services.

The collection includes approximately 390 films, 400 slide sets, 200 filmstrips and 100 videotapes covering a broad range of subjects in the areas of agriculture, family living, community development and 4-H, and is available to members of the faculty and staff.

For general information and scheduling of material, contact Audio Visual Services at 865-6314. Questions concerning subject content should be directed to Ag Communications at 865-3407.



Comden and Green

Broadway revue to visit Eisenhower

Nittany Mountain Summer Festival — Music and Dance — will present "A Party with Betty Comden and Adolph Green" Saturday, June 27, at 8 p.m. in Eisenhower Auditorium.

The "Party," which previously ran on Broadway, is a musical revue tracing the careers of writer-performers Betty Comden and Adolph Green. The program begins with their earliest works from the Greenwich Village group called the Revuers, then moves to their Hollywood days when they served as screenwriters and lyricists at the M-G-M studios. The team completes the evening with some recent numbers they have written and performed on Broadway.

Comden and Green have created more than a dozen Broadway shows. Among their biggest hits are *On the Town*, *Peter Pan*, *Applause*, *Wonderful Town* and *Singin' in the Rain*. In 1978, they won a Tony Award for *On the 20th Century*.

Tickets for "A Party with Betty Comden and Adolph Green" are on sale at the Eisenhower Auditorium box office from 9 a.m. to 4 p.m. Phone orders are accepted on MasterCard/Visa at 863-0255.

Tickets on sale for Festival Theatre

Born Yesterday opens the Festival Theatre 1981 season tonight (June 25) in the Pavilion. The Carson Kanim classic will run through July 12 under the direction of Bob Leonard.

Mr. Leonard, a former faculty member, has directed productions in regional theatres throughout the country. Two Penn Stateers are also in the cast, Lowell Manfull, professor of theatre arts, and Roland Fleischer, professor of art history.

Tickets are on sale also for Festival Theatre's second production, *Once Upon a Mattress*, which runs in the Playhouse July 2-19. A musical version of the "princess and the pea" fairy tale, the show features three Equity performers who are newcomers to Festival Theatre.

Pamela Bierly is the heroine of the piece, Princess Winnifred the Woebegone. Her most recent musical theatre credit was the role of Sally Bowles in *Cabaret*.

Verna Pierce plays Queen Aggravain, a non-stop talker and overly-possessive mother. Among her credits are Broadway appearances in the Tony Award-winning musicals, *A Little Night Music* and *Pippin*.

No fairy tale court is complete without its jester. Equity actor Lee Lohenhofer fills the slot in *Once Upon a Mattress*. Along with his many dramatic and musical credits, Mr. Lohenhofer has studied Kabuki acting and appeared in *Kabuki Macbeth* in the role of Lady Macbeth.

Ticket information about Festival Theatre's shows may be obtained by calling the Playhouse Box Office at 865-1884.



Roger Zellner with Frost sculpture

Entomology opens new greenhouse, unveils sculpture

The Department of Entomology is now occupying a new 2,200 square foot greenhouse, among the best of its kind in the nation.

Located behind Wagner Building, the greenhouse houses 12 separate research units, each with the potential for individual climate controls.

Renovations to the Frost Entomological Museum and to the Department of Entomology offices, both in Patterson

Building, have been completed. At dedication ceremonies on June 17, a bust of the late Stuart Ward Frost was unveiled. Sculpted by Dr. Roger R. Zellner, associate professor of art education at Albion, the bust, which will be displayed at the entrance to the Museum, honors Dr. Frost's contributions to entomology. A faculty member from 1918 to 1957, he was the author of more than 150 scientific papers.

University and Britannica join in venture

The University and Encyclopaedia Britannica Education Corporation have entered into an agreement jointly to produce, develop and distribute educational television and film programs and related print materials.

President Oswald and John Benton, chairman of the board of EBEC, signed a "memorandum of understanding" that will provide for:

- sharing of information on research and development, and identification of needs, trends and the state of the art;
- consultation by media producers with faculty members of appropriate academic disciplines during the planning and development of individual projects; and
- joint production and distribution of educational materials for schools, colleges and universities, and for on-site education at government agencies, hospitals and other organizations and institutions.

According to Marlowe Froke, director of Media Learning Resources at Penn State, EBEC is the largest U.S. developer and distributor of educational filmstrips, videotapes, motion pictures and other materials. It was established in 1917 as Electrical Research Products, Inc., a pioneer in innovative classroom films.

Some materials produced in the cooperative venture will be distributed via public broadcasting services, cable television and satellite. The agreement will be in effect for five years.

The memorandum signed by Dr. Oswald and Mr. Benton notes that: "Education at all levels—pre-school, elementary, secondary, higher and adult—is progressively more dependent on educational materials for teaching and learning."

"Research and experience have already established the effectiveness of the new media. What is desirable and necessary at this time is development of new relationships that would bring together organizations and agencies committed to their application."

Calendar report

The involvement of Commonwealth Campus faculty members in discussions of the effect of the early semester calendar on curricula was among the topics raised at the June 4 meeting of the Calendar Conversion Council.

Concern was voiced that in those instances where Campus faculty are involved, input tends to be confined to lower division courses.

Council members took note of questions raised in the Senate and various other quarters about the 55-minute class period. It was the consensus of the Council that the 55-minute class period in the semester system should not be changed.

The Sabbatical Leave Subcommittee, reporting on its initial discussions, pointed out that the current economic climate is making sabbatical leaves increasingly difficult for faculty and that alternative leave policies may need to be developed.

In the next issue of INTERCOM (July 9), the Calendar Conversion Council will publish a chart identifying the major events that should occur between now and August 1983 to meet the September 1983 deadline for conversion of the early semester calendar.

The chart, intended to depict a general schedule, will show when course and curriculum changes must be completed University-wide, as well as when personnel requirements at all locations will be examined within the budget review process. It will specify also the activities of University organizations central to the conversion, including the Faculty Senate, all academic Colleges, Commonwealth Campuses and the Office of the Registrar.



Photo of balcony frescoes was taken for booklet.

New booklet devoted to Frescoes

An illustrated booklet describing the Land Grant Frescoes of Henry Varnum Poor has been published in commemoration of the 125th anniversary celebrated last year by Penn State.

The booklet contains two sections of text. The first, dealing with the central north wall of the Old Main mural, was composed in 1940 with the concurrence of Mr. Poor. It has been updated with minimal alterations.

The second part contains newly written material on the later balcony frescoes on the east and west walls. It was prepared by Dr. Harold E. Dickson, professor emeritus of art history and one of the three faculty members (along with the late J. Burne Helm and Francis E. Hyslop) who originated the idea of frescoed murals.

In a brief foreword, Dr. Dickson points

to four factors accounting for "the unique significance of the Land Grant Frescoes as a tribute to Penn State: the subject matter, a pictorial synthesis of the school's founding and growth as one of the nation's oldest land-grant educational institutions; the artistry of Henry Varnum Poor (1888-1970), a distinguished muralist and American master of the fresco medium; a focal situation in the lobby directly under the beacon-like tower of Old Main; and, of special moment, the fact that the paintings, all 1300 square feet of them, are the munificent gift of Penn State students and graduates."

The booklet, which will be sold at the Museum of Art Gift Store, was designed by Marilyn Shobaken, University art editor.

Publications, activities lists due

Members of the faculty who wish their publications and professional activities listed in the University's annual bibliographies should send this information to their department heads, research deans or intercollege research unit directors.

Detailed instructions for the submission of these listings are given in a May 1 memo from Dr. R. G. Cunningham, vice president for research and graduate studies. Copies of this memo are available from department heads or research deans.

Commonwealth Campus faculty members should send their listings to their department heads at University Park, with a copy to their Campus director and Commonwealth Campus dean.

Contributions should be in the department head's hands in sufficient time

to reach the Office of the Vice President for Research and Graduate Studies by July 31.

The bibliography is printed in two publications: *Research Publications and Professional Activities* and *University Publications, Reports to Agencies, and Reviews*. To be included are research papers and articles, books that have been reviewed and printed by established publishers, substantive and/or final reports sent to state and federal agencies, information materials (articles and reports and printed in non-standard journals), and novels, short stories, musical compositions, exhibits of fine arts, inventions patents and any other activity that meets recognized standards of excellence in its field.

Two vanpooling projects to begin

A pilot program using two vans running from two selected outlying geographical areas to and from University Park—five days a week during all normal working days—is expected to be operational by late summer.

The program is a response to requests from University employees who commute to work from remote areas and have become concerned about decreasing energy supplies and increasing fuel costs.

A Vanpooling Committee, created to study the feasibility of a program, recommended it be run by employees under guidelines established by the

Committee.

The proposed vanpools will be available only to University employees. One van will consist of volunteers from Housing and Food Services and the other of volunteers from Physical Plant. Weekly and monthly rates will be established based on the length of the trip per rider, with all expenses incorporated into the rate.

After sufficient data has been gathered from the experience of the trial program, the Committee will determine whether additional vanpooling routes should be set up.

Hosler to chair United Way

Dr. Charles L. Hosler, dean of the College of Earth and Mineral Sciences, has been named chairman of the 1981 United Way program at University Park.

In announcing the appointment, President Oswald said: "Dean Hosler's leadership and exceptional skills in organizing resulted in his college's outstanding participation in the 1981 United Way campaign."

"I am delighted that Dean Hosler has accepted his role. His commitment and dedication to United Way, the University and the community will ultimately benefit thousands of Centre Countians in need of assistance."

Dean Hosler's administrative capabilities were recently recognized by the University when he was named recipient of the 1981 John E. Wilkinson Award for Administrative Excellence.

The organizational plan which was so effective in the College of Earth and Mineral Sciences during the 1980 fund raising drive emphasized personal solicitation by department, an accurate feedback system to assure awareness by all employees and orientation for peer solicitors. It will be implemented campus-wide this fall.

"The personal solicitation campaign conducted in 1980 resulted in a record campus contribution of more than \$103,000 to United Way," Dean Hosler points out.

"It is the best way to explain all aspects of United Way to Penn State employees and give each person an opportunity to give. Confidentiality of response to the campaign will be closely guarded."

"In addition, the advanced gifts campaign will be expanded from the deans and president's staff to include other key University officials."

The 1981 campaign will begin with a kickoff luncheon in mid-September for associate chairpersons and their assistants. The campaign itself will run from Sept. 28 through Oct. 9.

Associate chairpersons appointed by Dr. Hosler for the 1981 campaign are: Student Affairs, Raymond O. Murphy; Admissions, Donald Dickason; Finance, Steve Garban; Provost, William Asbury; Commonwealth Educational System, Marlowe Froke; Pattee Library, Charles Ness; Administration, John Hargleoad; Undergraduate Studies, Harvey Wall; Research, Beatrice Swift; Applied Research Lab, Richard Bland; Agriculture, Robert Flipse; Arts & Architecture, William Allison; Business Administration, Eugene Kelley; Earth & Mineral Sciences, John Cahir; Health, Physical Education & Recreation, Martha Adams; Human Development, Evan Pattishall; Engineering, George McMurtry; Education, Henry Hermanovics; Science, Norman Fred; Advanced Gifts, Irvin Kochel; Graduate School, James Bartoo; Liberal Arts, Stanley Paulson; Technical Service, Wade Barber.

Workshops

(Continued from page 1)

will be limited to approximately five persons so that individual questions can be considered.

Clinic topics include: How to raise money for scholarships and fellowships; how to use alumni, advisory groups, and friends to raise funds; how to raise funds for specific projects such as facilities and endowed chairs; how to present a case statement to a potential donor, and how to stimulate fund-raising activity by faculty members.

As a result of the workshop, senior academic administrators will be able to begin planning for fund-raising efforts by the colleges, Dr. Chait comments.

OCE reports receipt of 25 new PSU support programs

Twenty five new programs for assisting students, recognizing outstanding achievement and supporting other activities at the University have been developed through the Office of Gifts and Endowments.

The privately funded programs include:

— The George W. Bierly Emergency Loan Fund, which will provide short-term interest-free loans to students at the Wilkes-Barre Campus. The initial principal is a gift from Mr. Bierly, Campus director from 1958 until his retirement last year.

— The Margaret Bittner Parke Scholarship, to recognize outstanding undergraduate students enrolled in the Colleges of Education and the Liberal Arts, who are planning careers in the teaching of English or the humanities. The initial principal of this fund is a gift from Margaret B. Parke of Brooklyn, N.Y., the 1972 recipient of the Distinguished Alumnus Award from the University.

— The Canadian Club Scholarship, to provide financial assistance to full-time undergraduates enrolled as majors in food service and housing administration, service administration option. Funds for the scholarship are provided by Hiram Walker, Inc.

— The William J. Carnahan Alumni Memorial Scholarship, to attract outstanding potential students for enrollment at the University. The principal of the fund will come as a gift from the estate of Mr. Carnahan, who now lives in St. Petersburg, Fla. Recipients of the scholarship will be known as "William J. Carnahan Alumni Memorial Scholars."

— The Earth and Mineral Sciences College General Scholarship, to provide financial assistance to undergraduates enrolled in the College. This scholarship will be funded by annual monies received from major corporations representing the various disciplines of the College.

— The Earth and Mineral Sciences College Dean's Freshman Scholarship, to recognize and attract superior students to the College.

— The Ben Euwema Memorial Scholarship, to provide travel and research funds for graduate students enrolled in the Department of English. The initial principal is a gift from Mrs. Catherine Euwema in memory of Dr. Euwema, dean

of the College of the Liberal Arts from 1946 until 1964. Preference for the scholarship will be given to those graduate students at the Ph.D. thesis stage who have a need to travel to complete their research.

— The First Seneca Bank Scholarship, to recognize undergraduate students at the Shenango Valley Campus. The principal for the fund will come from a gift from Dr. Robert E. Lantz, the recipient of the Shenango Valley Campus Distinguished Service Award.

— The Kevin Daniel Gilmore Memorial Grant-in-Aid Fund, to provide grants-in-aid to undergraduate students enrolled as chemistry or biochemistry majors in the College of Science. Funds to support this grant will be contributed annually by Roger W. and Elizabeth B. Gilmore of Brooklyn Park, Minn. In addition, a matching contribution from Mr. Gilmore's employer, FMC Corporation, will be received.

— The Dorothy Houghton Memorial Loan Fund, to provide emergency financial assistance to all students in the College of Human Development in the form of small, short-term loans. The funds will come as gifts from friends of Mrs. Houghton, a member of the faculty from 1952 until her retirement as acting dean of the College of Human Development in 1966.

— The Francis E. Hyslop Memorial Scholarship, to enable graduate students in art history to continue their studies or conduct their research. The initial principal of this fund is a gift from the family, friends and colleagues of the late Dr. Hyslop, professor of art history at the University from 1934 until his retirement in 1974.

— The Marvin J. Kudroff Memorial Lectureship in Engineering Management, to provide for an annual lecture or seminar for faculty and students of the University by leaders in the field of engineering management. The principal of this fund is a gift from the firm of Daniel, Mann, Johnson, and Mendenhall, Los Angeles, and from the family, friends and former associates of Mr. Kudroff, a 1943 graduate of the University.

— The Katey Lehman Creative Writing Award, to stimulate, encourage and recognize demonstrated talent in poetry, prose and journalism. The initial principal

is a gift from Mr. and Mrs. Frank P. Smeal, class of 1942, in memory of Mrs. Lehman, Class of 1942 and wife of Ross Lehman, executive director of the Penn State Alumni Association.

— The Shuman H. and Elizabeth B. Moore Engineering Scholarship, to provide financial assistance to outstanding undergraduate students enrolled in electrical engineering. The initial principal is a gift from Mr. Moore of Pasadena, Calif., class of 1933.

— The Victor H. and Rachel P. Noll Award, to recognize the achievements of outstanding students in the College of Education who have at least fourth-term standing. The initial principal is a gift from Mr. and Mrs. Noll, of Hendersonville, N.C. The award is available to all full-time undergraduate students in the College of Education who have completed at least three terms and who distinguish themselves by participation in University and community activities.

— The Pennsylvania Livestock Association Judging Teams' Fund, to provide financial assistance to members of the Penn State Judging Teams in livestock, meats and horses. The initial principal is a contribution from the Pennsylvania Livestock Association. Each grant is for an individual's team participation, and a student may receive more than one grant for additional competitions.

— The Ernest C. Pollard Lecture Fund, to stimulate research in biophysics through an annual lecture. The principal is a gift from friends and colleagues of Dr. Ernest C. Pollard, chairman of the Biophysics Department at the time of his retirement in 1971.

— The David H. Rank Memorial Physics Award, to recognize graduate students enrolled in the Physics Department who have achieved outstanding academic records and who show high promise for doctoral research. The initial principal is a gift from family, friends, colleagues and former students of the late Dr. Rank, who retired in 1972 as Evan Pugh research professor of physics and department head, after having served on the faculty since 1935.

— The Ruby Skinner Miller Atlas Fund, for the purchase of atlases for the enrichment of the collections beyond the regular allocations made from general

University funds. The initial principal is a gift from Dr. E. Willard Miller in honor of his wife, a member of the Pattee Library faculty from 1957 until her retirement as associate librarian in 1977.

— The Charles P.M. and Elizabeth T. Smith Scholarship, to recognize and attract the enrollment of freshman students who have demonstrated exceptional academic achievement and who have a need for financial assistance. The gift, from Mr. and Mrs. Smith's son, William R. Smith, will be available first to graduates of Bellefonte Area High School, second to graduates of other Centre County high schools, and third to all others.

— The Tau Beta Pi-Pennsylvania Beta Scholarship, to provide financial assistance to students enrolled in ceramic science, metallurgy, mining engineering, and petroleum and natural gas engineering. The award comes as a gift from the Pennsylvania chapter of Tau Beta Pi Honor Society.

— The Robert E. Weber Memorial Scholarship, to recognize the academic achievements in mathematics of students enrolled at Shenango Valley. The initial principal has been received as a gift from friends, colleagues and former students in honor of Dr. Weber, a member of the mathematics faculty from 1975 until his death in 1980.

The Wilkes-Barre Student Loan Fund, to provide financial assistance in the form of a loan to students enrolled at the Wilkes-Barre Campus. The initial amount of the fund has been contributed by the Midland-Ross Corporation. Short-term and long-term loans may be made, and no interest will be charged if repaid by the due date.

— The Guy W. Wilson Award for Excellence in Advising, to encourage and reward excellence in student advising by faculty at The Behrend College. The initial principal of this fund is a gift from Mrs. Guy Wilson, of Erie, and others.

— The Dwight E. Younkin Memorial Scholarship, to provide financial assistance to worthy students interested in swine production. The initial principal comes as a gift from the Pennsylvania Pork Producers Council, friends, and family of the late Mr. Younkin, of Somerset, a member of the Agricultural Extension staff from 1953 until 1980.

Staff Vacancies

The following vacancies for positions classified as staff emerger or staff nonemerger are listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., July 2, 1981. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered, in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

NUTRITIONAL CARE TECHNICIAN, COLLEGE OF MEDICINE, HERSEY Responsible to Senior Nutritional Care Technician for the operation of the Diet Office and to Clinical Dietitian. Screen and monitor patients to provide individualized nutritional care. Formulate meal patterns for patients on regular and modified diet. Explain diet and nutrition to patients. Calculate daily food intake and chart diet analysis as well as other pertinent nutritional information in patient medical records. Associate degree in foods and nutrition or equivalency and six to twelve months of effective experience required.

ASSISTANT DIRECTOR, UNIVERSITY RELATIONS, New Kensington Responsible to Campus Director for organizing and conducting a comprehensive University relations program for the entire Campus, including continuing education, public information and relations, gifts and endowments, alumni and community activities. The preparation of news releases, funding proposals and alumni activities are included in the responsibilities of the position. Bachelor's degree or equivalent, plus two to four years' effective experience, preferably involving newspaper and/or journalism writing, public relations. Relevant

experience in higher education is preferred. Experience in fund raising and proposal writing is highly desirable.

RECORDS AND INSTITUTIONAL RECORDS, RECORDS AND SCHEDULING, Capital Campus Responsible for scheduling, registration and records division of the Capital Campus; the development of a Campus-wide academic and administrative information system and the overall design and implementation of studies in support of Campus planning and decision-making by the Provost, Dean and his staff. Master's degree or equivalent organized study or training in administration, educational administration or higher education, with over three years and up to including four years of effective experience in administrative or related educational areas. Management and communication skills and a knowledge of the capabilities of automated data processing systems, research design and analysis required.

MAINTENANCE FOREMAN, Behrend College Responsible to the Supervisor of Maintenance and Operations for the supervision and performance of maintenance and repair operations on equipment, buildings, utilities and grounds. Includes planning, scheduling, training and supervising full- and part-time technical service employees. Foreman must continually apply knowledge of management techniques, work procedures and methods, machines and equipment, and college and university policies. High school education, plus a minimum of five years of total maintenance area experience. Strong background in supervision, building control systems, mechanical trades and electrical trades preferred.

There are positions in certain work units that, because of the large number of such positions, frequently are still available after employees in the work unit have been considered. They are listed below and will not be listed on an individual vacancy basis. Application for such positions may be made at any time, and you are welcome to make your interests known now to the Employment Division for future consideration when such vacancies occur. These positions are:

POSITION TITLE	LOCATION
Assistant Coordinators	Student Affairs

Assistant Food Supervisors	Housing and Food Services
Computer Operators	IRP
Shifts: 8 a.m. to 4:30 p.m., 4:30 p.m. to 1 a.m., 12 midnight to 8 a.m.	
Programmers	Management Services
Research Aides	College of Agriculture
Residence Hall Area Coordinators	Student Affairs
Cardiology Technicians	Hersey
Clinical Laboratory Assistants	Hersey
Clinical Laboratory Technologists (HEW)	Hersey
Critical Care Monitoring Technicians (Jr. & Sr. Levels)	Hersey
Cyto-Technologists	Hersey
Licensed Practicall Nurses	Hersey
Medical Technologists (CLIA, MLT, CLT, HEW)	Hersey
Nuclear Medical Technicians	Hersey
Preclinical Technicians	Hersey
Physician's Assistants	Hersey
Radiology Technicians	Hersey
Research Technicians (Jr. & Sr. Levels)	Hersey
Respiratory Therapy Technicians	Hersey
Staff Nurses	Hersey

Alerts

(Continued from page 1)

off, he or she is granted another day off with pay as a holiday.

This year, since July 4 falls on a

Saturday, employees who normally do not work on Saturdays may arrange to take a day off at another time after consultation with their supervisors.

University contribution to TIAA changed

The University makes a contribution to the Teacher's Insurance and Annuity Association (TIAA) on behalf of each faculty and staff member who belongs to that retirement program. The retirement law which permitted the University to use TIAA as an alternate to the State Employee's Retirement System (SERS) also states that the amount the University contributes to TIAA shall be no more than the rate the actuaries of the retirement board determine to be necessary to fund the SERS adequately.

The amount is reviewed each year by the actuaries, and it may increase or decrease. From July 1, 1980, through June 30, 1981, the amount has been 7.90 percent of salary. The rate which will be in effect from July 1, 1981, through June 30, 1982, will be 6.50 percent of salary.

The contribution rate by faculty and staff members to either retirement system will remain at 5.00 percent of salary.

Penn State Intercom



Summer solitude at Stone Valley

Photo, Scott Johnson

Arts and Architecture Dean announces retirement plans

Dean Walter H. Walters of the College of Arts and Architecture has announced his plans to retire as soon as a replacement is appointed but preferably no later than April 1, 1982.

Dean Walters said that he wishes to take early retirement to be able to spend more time on personal projects.

"The arts have become part of the mainstream of the University during Dean Walters' 31 years at Penn State," President Oswald said. "He has enriched the entire community by his leadership in establishing such programs as Nittany Mountain Summer and the University Resident and Festival Theatre Companies. I had hoped to persuade him to stay on and regret that I was unable to do so."

Dr. Oswald added that a search committee will be appointed in the near future to consider nominations for the position.

In addition to his academic responsibilities, Dean Walters serves as director of University Arts Services, overseeing the Artists Series, the Museum of Art, the theatres and Schwab and Eisenhower Auditoriums.

"The linkage we have established between our professionals and academic units has been adopted as a model by a number of universities," Dean Walters observed.

"I am also proud of the greatly increased opportunities Arts and Architecture is now able to offer students who are interested in the arts as a profession. I am even prouder of the service function which the College provides. More than 26,000 students take general arts and service courses in the College each year."

Dean Walters' most recent contribution to the arts at Penn State was the launching this summer of an "Angels Program," which has attracted private support for the first time to help underwrite the summer Festival Theatre productions.

Dr. Walters joined the faculty in 1950. He was the first head of the Department of Theatre Arts, a position he assumed in 1956. During his tenure, the Playhouse and Pavilion Theatres were designed and opened and a Master of Fine Arts degree was added to the curriculum. He was



Dean Walters

named associate dean of the College of Arts and Architecture in 1966 (three years after its founding), became acting dean in 1968 and dean in 1969. The Museum of Art was opened under his leadership and in eight years has acquired major holdings. Dean Walters served seven years on the committee for the construction of Eisenhower Auditorium and has been responsible for the Auditorium's management.

Dean Walters has played a prominent role as a spokesman for the arts both nationally and internationally. Since 1976, he has been chairman of the Fine Arts Commission of the National Association of State Universities and Land-Grant Colleges (NASULGC). In this role, he led a steering committee which produced a report on "The State of the Arts at State Universities and Land-Grant Colleges," the first and only such assessment. Dean Walters is also a member of the steering committee of NASULGC's International Affairs Committee.

In 1974, he was elected chairman of the International Council of Fine Arts Deans. He has served on the board and as an

(Continued on page 8)

Toombs named center director



Dr. Toombs

William Toombs has been named director of the University's Center for the Study of Higher Education.

Dr. Toombs, professor of higher education, was formerly a research associate at the Center and from 1971 to 1977 was its assistant director. He succeeds Kenneth P. Mortimer, professor of education and one of the original staff members at the Center, who will return to fulltime teaching and research.

In announcing the appointment, Provost Eddy said, "The University is fortunate to have someone of Dr. Toombs' caliber assume the leadership of the Center and build upon the Center's impressive record to date."

The Center, established in 1969, is a research unit focusing on policy aspects of

(Continued on page 8)

Students face reduction in federal aid, work study opportunities

College students everywhere face a reduction in the amount of federal aid and employment opportunities available during the coming academic year.

While Penn State's Office of Student Aid has been able to offer assistance to about 8,300 students, almost 6,000 persons with demonstrated financial need have had to be refused.

Students were advised to seek alternative means of support, including state grants, the Pell Grant and the Guaranteed Student Loan. Student Aid Director John F. Brugel reports.

Applicants for student aid are rank-ordered on the basis of financial need. Dr. Brugel emphasizes, using a national standard, the Uniform Methodology of Need Analysis.

Penn State receives aid funds from three federal sources — National Direct Student Loans (NDSL), Supplemental Educational

Opportunity Grants (SEOG), and the College Work Study Program (CWSP). In 1980-81, these programs awarded Penn State a total of \$11,014,752. The final 1981-82 allocation figure is expected sometime in August, but a total of \$9,468,114 was suggested in a letter received by Student Aid in April. This is a reduction of approximately \$1.6 million.

On the national level, according to Dr. Brugel, the NDSL program is being cut by \$100 million — from \$286 million — and it could be further reduced by \$14.8 million. For Penn State, this translates into a shortfall of at least \$700,000 as compared with last year.

Cuts in SEOG are much smaller. Dr. Brugel points out, estimating that they will run about \$60,000.

The funds available to the College Work Study Programs, however, are being sharply decreased. Last year, the

University received a basic allocation of \$3,693,621, plus a supplemental one of \$43,798. With no likelihood of a supplemental allocation for 1981-82, CWSP funds could drop by as much as \$885,000.

Dr. Brugel says that although fewer students will be employed in the undergraduate and graduate work study programs, the Office of Student Aid has attempted to maintain the program at levels close to last year's by cutting back on the summer program.

Penn State's students received about \$64 million in 1980-81 from Basic Educational Opportunity (Pell) Grants (BEOG) and from the Guaranteed Student Loan Program. About half of all aid received by the University's students comes from the latter source, which allows the families of undergraduates to borrow

up to \$2,500 annually and graduate students up to \$5,000.

Freshman and upper class students as well as those graduate students who had applied to the Office of Student Aid for assistance were notified of their status in early June. Those who had to be refused were given alternative referrals.

Dr. Brugel concludes:

"The problems we are experiencing result from a confluence of pressures — rising institutional costs, increasing inflationary burdens on families and students, and a regrettable reduction in the availability of federal funding. We have found, however, that when students and their families understand that our decisions are based solely on financial need, they are willing to accept the decisions and seek alternate forms of funding."

Penn Staters

Dr. Robert Bernheim, professor of chemistry, has been named a Visiting Fellow of the Joint Institute for Laboratory Astrophysics in Boulder, Col. Dr. Bernheim will use the fellowship to pursue his research on laser spectroscopy of small molecules during his year in residence at the Boulder facility.

Dr. K. Danner Clouser, professor of humanities at Hershey, delivered the commencement address at Thomas Jefferson University College of Allied Health Sciences on June 5 and was awarded a doctor of humane letters degree by that University.

Paul H. Cutler and Tien Tzou Tsong, professors of physics at the University, were invited lecturers at the sixth International Seminar on Physics of Solid Surfaces in Karpacz, Poland. The seminar was sponsored by the University of Wrocław's Institute of Experimental Physics in Wrocław.

In addition, Dr. Cutler presented a paper at the Institute of Experimental Physics. The paper, prepared with Nicholas M. Miskovsky, assistant professor of physics at the Altona Campus, was entitled "Theory and Application of Metal-Vacuum-Metal Point-Contact Normal Tunneling Junctions."

Dr. Francis J. Di Vesta, professor of psychology and education, has returned from Caracas, Venezuela, where he gave a series of lectures and seminars over a two-week period to faculty members at the Central University of Venezuela. He also conducted several seminars on plans for a new program in instructional psychology at the University of Venezuela this coming fall.

Richard Hamwi, an instructor in the School of Visual Arts, has received the Genevieve Weaver and Marie Henninger Memorial Award from the Chautauque National Exhibition for his watercolor painting "Remembrance." Nine drawings by Mr. Hamwi also were selected for inclusion in an exhibition held through July 3 at the Staempfli Gallery in New York City.

Dr. B. Lakshminarayana, director of computational fluid dynamics studies and professor of aerospace engineering, presented a paper entitled "Interaction of Compressor Blade Wake with Wall Boundary Layer/Vortex in the End-Wall Region" at the International Symposium on Applications of Fluid Mechanics and Heat Transfer to Energy and Environmental Problems, held at the University of Patras, Greece, June 29-July 3. He also organized and chaired a session on "Viscous Flows in Turbomachines with Emphasis in Three-Dimensional Effects." The Symposium and his trip were sponsored by the Greek Ministry of Industry and Energy, the University of Patras, and the Hellenic Industrial Development Bank.

Two members of the geophysics faculty recently were presented awards.

Assistant professor **Charles A. Langston** is one of 20 persons across the country selected to receive a \$5,000 ARCO Oil and Gas Company Outstanding Junior Faculty Award. These awards are made to help colleges and universities attract and retain highly qualified staff. A member since 1977, Dr. Langston holds a Ph.D. from the California Institute of Technology. His research and teaching activities center on seismology.

Associate professor **Randolph J. Martin** received the Boston College Alumni Association's Award for Excellence. A member of the faculty since 1978, Dr. Martin earned his doctorate at Massachusetts Institute of Technology. His current research focuses on the geophysical properties of rocks under crustal conditions.



Prof. Nisbet

Prof. Park



Prof. Pass



Prof. Reed

Prof. Ross

25-year chairs

Twenty-five years of Penn State service on the part of **James M. Hughes Jr.** was honored recently by the Altoona Campus. An associate professor of engineering at the Campus, Mr. Hughes graduated from Penn State in 1951 with a B.S. in electrical engineering. Before joining the faculty, he worked as a design engineer with Westinghouse in Baltimore.

The College of Engineering presented 25-year service awards to five faculty members in a recent ceremony held in the Bayard D. Kunkle Engineering Activities Center. The five are: **John S. Nisbet**, director, Ionosphere Research Laboratory and professor of electrical engineering; **William H. Park**, professor of mechanical engineering; **Vincent L. Pass**, associate professor of architectural engineering; **Joseph R. Reed**, associate professor of civil engineering; and **William J. Ross**, professor of electrical engineering.

Dr. Nisbet earned his B.S. at London University and his M.S. and Ph.D. degrees at Penn State. Before joining the faculty as a research associate in 1955, he was an engineer with Nash and Thompson, Ltd., Decca Radar, Ltd., and the Canadian Westinghouse Corp.

His research interests are in the area of planetary aeronomy, in modeling the ionospheres of the earth and the planets, and in the electric field systems in the upper atmosphere. In 1979 he received a Fulbright Fellowship to teach and conduct research at Kharkov State University in the USSR and in 1980 was awarded a

National Academy of Sciences National Research Council Senior Fellowship to conduct research at Goddard Space Flight Center on the interaction of the solar wind with the planet Venus. In 1979 he completed a project of teaching all the stem courses in the undergraduate electrical engineering curriculum.

Dr. Park came to the University in 1953 as an instructor in mechanical engineering. Previously, he worked as a research engineer for Borg-Warner in Bolbrook, Ill., as a design engineer for Sanders & Thomas, Inc., in Pottstown, Pa., and as principal research engineer for Ford Motor Co.

Dr. Park earned his B.S. and M.S. degrees in mechanical engineering from Penn State and his Ph.D. from Cornell University in 1966. His research interests are in vehicle simulation, micro-processor applications, impact loading of pavements, and road roughness measurements.

Dr. Park is currently graduate student advisor in the mechanical engineering department. He is a member of University Council and has been very active in the Faculty Senate.

An associate professor of architectural engineering, Mr. Pass retired June 30. He completed his B.S. in architectural engineering at Penn State in 1948 and his M.S. at the University of Texas. Before returning to Penn State in 1955, he was a senior structural engineer with General Motors Corp.

His main emphasis has been undergraduate teaching, and in 1969 he received a Lindback Award.

Dr. Reed became an instructor in 1953. He holds B.S. and M.S. degrees in civil engineering from Penn State and a Ph.D. from Cornell University.

Dr. Reed has been a consulting engineer for several companies and is a registered professional engineer in Texas. He is a reviewer for the American Society of Civil Engineers' *Journal of the Hydraulics Division*.

In 1966 Dr. Reed was a Science Faculty Fellow of the National Science Foundation at Cornell University. His research interests are in the hydromechanics of free surface flow, which he is currently pursuing relative to hydroplaning on pavements. At the University, he has served in the Faculty Senate and was an assistant University Marshal at spring graduation ceremonies.

Dr. Ross joined the faculty in 1956 as an assistant professor after earning his B.Sc. and M.Sc. degrees in physics and a Ph.D. in radio physics from Auckland University College in New Zealand.

In addition to his teaching duties in electrical engineering, Dr. Ross has conducted an extensive series of research projects in association with the Ionosphere Research Laboratory, studying the effects of the atmosphere on the propagation of radio waves from satellites. He is the author of a number of technical papers in this field. He has also served as a consultant to the NASA Space Sciences Committee and on a National Academy of Sciences Advisory Committee.

Dr. Ross served as head of the Electrical Engineering Department from 1971-1979.

Dr. Rustum Roy, director of the Materials Research Laboratory, visited and lectured at a number of research laboratories in Poland and the USSR in early June.

He spoke on "New Ideas on Materials Synthesis" at the Institute on the Physics and Chemistry of Silicates in Leningrad and at the Institute of Inorganic Chemistry in Novosibirsk, Central Siberia.

Dr. Roy also was an invited speaker at two international meetings. He discussed the Penn State work on low temperature waste forms at the Symposium on Nuclear Waste Disposal, June 1-4, at the German Nuclear Center in Jülich. He spoke on ceramics in radioactive waste science and technology at the XIII Biennial Meeting on the Science of Ceramics, June 14-17, in Göteborg, Sweden.

Appointments

Cathryn A. McNamara as assistant Extension agent, Fulton County, B.S., State University of New York at Oneonta; M.S., Queens College, City University of New York.

Alice I. Tetreault, as associate professor of nursing, Diploma, R.I. Hospital School of Nursing; B.S., Pembroke College; M.A., Columbia U. Teachers College; M.P.H., Yale U. School of Medicine; Ed.D., North Carolina State U. Formerly associate professor, Fort Hays State U. School of Nursing.

Promotions

Staff Exempt

Mary H. Dunkle to manager, news bureau in Public Information.

Richard W. Jones to assistant manager, news bureau in Public Information.

Clerical

Kathy L. Dorman to clerk A—CWSP in Student Administrative Services.

Catherine Fyock to accounting clerk in Health, Physical Education and Recreation.

Glenda M. Lucas to secretary C at Shenango Valley.

Muriel H. Perozz to clerk, bookstore A at Osgood.

Sharon Ridgway to secretary B in Business Administration.

Technical Service

Paul W. Byers to maintenance worker, utility at Capitol.

Terry L. Fetterolf to poultry worker, general in Agriculture.

Ronald K. Grove to waste water treatment plant helper in Physical Plant.

Clarence Hardaway to maintenance worker (general) B at Capitol.

Larry D. Herst to building maintenance worker in Student Affairs.

Elissa A. Morgan to photographic technical A in Agriculture.



Prof. Mentzer

Department of Engineering Science and Mechanics.

Prior to joining the faculty, Dr. Mentzer was an engineer with Westinghouse Corporation, headed a Theory Group at Penn State's Ordnance Research Laboratory, and was a staff member at MIT's Lincoln Laboratory and the Antenna Laboratory at Ohio State.

Dr. Mentzer has conducted research in electromagnetic radiation and transmission, microwave optics, ionosphere physics and propagation, and has taught courses in engineering analysis, electromagnetic field theory, antennas and electronics. Under his direction, the Engineering Science program has developed into one of the most respected in the country.

Dr. Mentzer is the author of a book, *Scattering and Diffraction of Radio Waves*, published by Pergamon Press and translated into several languages, including Russian. He has been a consultant to several companies.

After retirement Dr. Mentzer and his wife plan to maintain their residence in State College.



Prof. Gentry

Prof. Smith

Robert F. Gentry, professor of veterinary science, retired June 30 after 27 years of service. He will have emeritus rank.

A native of Topeka, Kan., Dr. Gentry earned the D.V.M. degree from Kansas State University, an M.S. in endocrinology from the University of Missouri and a Ph.D. in microbiology and public health from Michigan State University.

He was a research veterinarian for seven years in the Regional Poultry Research Laboratory at East Lansing, Mich., prior to his appointment in 1954 as associate professor of veterinary science at Penn State. He was promoted to professor in 1960.

Dr. Gentry's specialties include avian pathology; avian virology — embryo, chick and bird inoculation and isolation; immunology — vaccination techniques and field evaluation; serology — serological techniques and virus neutralization procedure; and microbiology. His research has contributed substantially to programs of flock health management and the development of preventative diseases against a number of specific diseases.

Dr. Gentry presently is veterinary consultant to companies in four foreign countries and the U.S. Food and Drug Administration. He has conducted scientific training workshops on the isolation and propagation of Mycoplasma gallisepticum (MG) for use in immunization of chickens in several Caribbean and Central and South American countries.

He was a member of the founding group for the *Journal of Avian Diseases* and served on the editorial board and as associate editor.

Dr. Gentry and his wife, Freida, plan to make their retirement home in Florida, although he will continue his consulting activities and as president of Tri-Bio Laboratories in State College.

Dr. Jeanne L. Smith, professor of psychology at the Osgontz Campus, retired with emeritus rank on June 30.

Dr. Smith joined the faculty in 1957 as an instructor, becoming a full professor in 1974. During her career at Osgontz, she was one of the founders of the Osgontz Faculty Senate, served several terms of office as a senator, and was chairman of the governing body in 1972. She was secretary of the first University-wide committee on faculty rights and responsibilities.

Dr. Smith's excellence in teaching was recognized in 1972 when she was honored by the Commonwealth Campus administration. She has been called "an outstanding role model," and "a teacher who cares," and in 1968 the student body voted her Chief Osgontz, an award presented annually to the faculty member who most demonstrates the traits of dedication, inspiration, educational ideals and contributions to student life. The campus community further honored Dr. Smith this spring by asking her to be the speaker at the 10th annual commencement ceremonies.

Dr. Smith received her Ph.D. from the University of Pennsylvania and her M.A. and B.S. degrees from the University of Alabama. She lives in Willow Grove with her husband, Albert, a retired member of the engineering faculty at Osgontz, and her son, Michael, a former Osgontz student who is now employed by the Campus.

David Kerner, associate professor of English at the Osgontz Campus, retired June 30 with 26 years of service to the University.

Prof. Kerner was graduated in 1940



Prof. Kerner

Mr. Robb

from the University of Pennsylvania, where he was elected to Phi Beta Kappa. During his service in World War II, he received a certificate of fluency in Russian from the Army Specialized Training Program at Cornell University. In 1948 he received his Master's degree from Columbia University.

Prof. Kerner has published numerous stories and scholarly articles. One of his reviews, of John Barth's *The End of the Road*, originally published in *Chicago Review* in 1959, was recently reprinted in *Critical Essays on John Barth*, edited by Joseph J. Waldmeir. One of his articles on the teaching of composition, "Jigsaw Puzzle in Expository Writing," was reprinted in 1976 in *Writing Exercises from "Exercise Exchange,"* edited by Littleton Long and published by the National Council of Teachers of English.

In his career at the Osgontz campus, he taught 18 different courses ranging from freshman composition and English, American and European literature, to creative writing and literary criticism. He served Osgontz as chairman of the library committee for several years, including those in which the new Woodland Library facility was planned.

During his retirement, Prof. Kerner hopes to complete, among other things, "a novel of novellas," he has been working on for many years. "Thanksgiving," the first long story in this collection, was published in *Commentary* in 1969 and was listed on the Roll of Honor in the 1970 volume of the Martha Foley annual *The Best American Short Stories* (Houghton Mifflin).

Positive thinking is the key to a successful retirement for **Preston Robb**, who has served the University in Housing and Food Services for 26 years. "I don't allow negative thoughts to enter my mind," he says. "I plan to lean back on that decision to retire and enjoy it."

In his newly acquired spare time, Mr. Robb will develop some mountain land which he owns and has "lots to do around the house."

Mr. Robb began his University career in 1955 as a dining hall utility worker and one year later became a truck driver/stock clerk. For several years, he took accounting courses through correspondence to reach his goal of becoming an accountant and in 1964, advanced to the position of accounting clerk in Vending. Since 1966, he has been an accountant for the HUB Food Services, in charge of inventory, payroll, all cash receipts, cashiers and accounts receivable. "I liked accounting," Mr. Robb said of his job. "I worked for good managers all through the years; I always knew just where things stood."

Penn State has been a family affair for the Robbs. Mrs. Robb retired two years ago from her position as a counterwoman in Simmons Dining Hall. And three of the four Robb children graduated from Penn State: Janice in art education, Roger in electrical engineering, and James in secondary education. Another daughter, Marcia, attended Polyclinic Hospital and the University of Pennsylvania in the field of nursing.

Mrs. Audrey M. Phelps, supervisor of the Department of Agricultural Communications, retired July 1 with more than 25 years of service.

Appointed office supervisor in February 1974, she has been responsible for such operations as training and supervising clerical and technical-service employees; processing of press, radio, television and publications services; editing media materials; developing new office

procedures and maintaining record systems.

A native of Penns Creek, Snyder County, Mrs. Phelps received her B.S. in business education from Susquehanna University in 1954.

Prior to being named to the ag communications staff, she was head secretary in the College's Agricultural Experiment Station Office; head secretary in Penn State's Art and Science Extension; and clerk-typist in the Department of Public Instruction, Harrisburg.

Mrs. Phelps is choir director, organist, deaconess and president of Christian Women's Fellowship of the State College Christian Church, and vice president of the Xi Delta Chapter of Beta Sigma Phi. She is married to Ben G. Phelps Jr., a U.S. Postal Service employee. She is the stepmother of three children and has three great-grandchildren.

Inez L. Lauck, transcript supervisor in the Office of the University Registrar, retired June 30 after working at Penn State for 35 years.

Mrs. Lauck observes that included in her duties as transcript supervisor were overseeing the issuing of official student transcripts and addressing any problems that would arise with the transcripts.

After beginning her University career in the Registrar's Office as a clerk in 1946, Mrs. Lauck performed a number of clerical duties such as typing and general office work.

Mrs. Lauck's husband, James A., is a machinist in the College of Engineering.

Charles D. Arthur, an assistant professor of history at Delaware County since Sept. 1, 1967, retired June 30.

Margaret E. Anderson, assistant professor of chemistry at Capitol Campus, retired on June 30 after serving since April 1, 1968. From 1948 to 1951, she taught at the Altoona Campus.

Peter P. Karapin, assistant professor of engineering at the York Campus, retired June 30 after being employed by the University since Sept. 1, 1965.

Wilbur Kline, business manager at the Mont Alto Campus, retired June 30 after working for the University since Sept. 1, 1966.

Elwood Mintz, assistant professor of agriculture, retired June 30, after being a member of the University faculty since 1962.

Marguerite M. Beltz, a clerk in Continuing Education since Jan. 5, 1969, retired June 27.

Charles H. Kope, maintenance worker at the Capitol Campus, retired on June 20. He had been a University employee since May 3, 1971.

The Rev. Quentin L. Schaut, O.S.B., rector of the Penn State Catholic Center, retired June 19 after serving the University since 1962.

"The (Penn State) administration has been superb in its support of religious programs," The Rev. Schaut says. "I am especially appreciative of this because I know from talking with my colleagues at other institutions that such support is not often found."

Prior to joining the University community, he served from 1955 to 1962 as president of St. Vincent College, his alma mater for both his undergraduate and seminary work.

The Rev. Schaut, 80, is retiring to Latrobe, home of St. Vincent, where he plans to remain active and enjoy the college's "beautiful campus and good working library."

Constance S. Fleck, a clerk in the College of Agriculture since July 1, 1965, will retire Aug. 1.

Bonita L. Silbaugh, secretary B in instructional services at the Capitol Campus, will retire Aug. 1 after being employed by the University since Oct. 10, 1966.

John V. Banks, maintenance foreman and a member of the Behrend College staff since Jan. 19, 1962, left the University July 1.

Junior computer operator **Maria R. English**, a member of the Hershey staff since Sept. 14, 1970, left the University June 13.

David J. Laird, an equipment operator with the Office of Physical Plant, left the University June 4 after serving since Dec. 2, 1970.

Obituaries

Robert L. Ruttenberg of Limekiln (Berks County), a member of the University's Board of Trustees from 1976 to 1979, died June 4. He was 61.

A 1941 Penn State graduate with a B.A. degree in arts and letters, Mr. Ruttenberg was appointed to the Board of Trustees by Gov. Milton J. Shapp. He also served as a trustee to Kutztown State College.

Mr. Ruttenberg, who encouraged the development of the Berks Campus, was the owner of Ruttenberg Travel Service in Reading and affiliated with Chesterfield Webbing Company in South Carolina. He is survived by his wife, Ruth, four children and one grandchild.

Sally D. Buterbaugh, a secretary at The Behrend College, died June 18. She was 20 years old and had been working at Behrend since July 30, 1979.

Wilbur L. Spicer, a fireman and mechanic with the Office of Physical Plant, died June 29 at the age of 73. He was employed by the University from 1937 until 1939.

Joseph R. Morrison, who retired in September 1960 on disability, died June 21 at the age of 38. A Phillipsburg native, he joined the staff as a baker in 1967 and was employed also as a machine operator, milker and animal caretaker.

Kathleen Luzier, a residence hall worker with Housing and Food Services from 1962 to 1972, died June 21 at the age of 73.

George W. Keener, an assistant professor of agricultural Extension in Clarion County from 1961 until his retirement in 1976, died June 20 at the age of 69.

Carpooler

Barbara Houtz would like to share driving from Rebersburg or Madisonburg. She works from 8 a.m. to 5 p.m. in Tyson Building. Call either 863-2189 or 422-8910.

Staff Development

Thirty-four clerical employees have completed the Clerical Enrichment Program. Participating were:

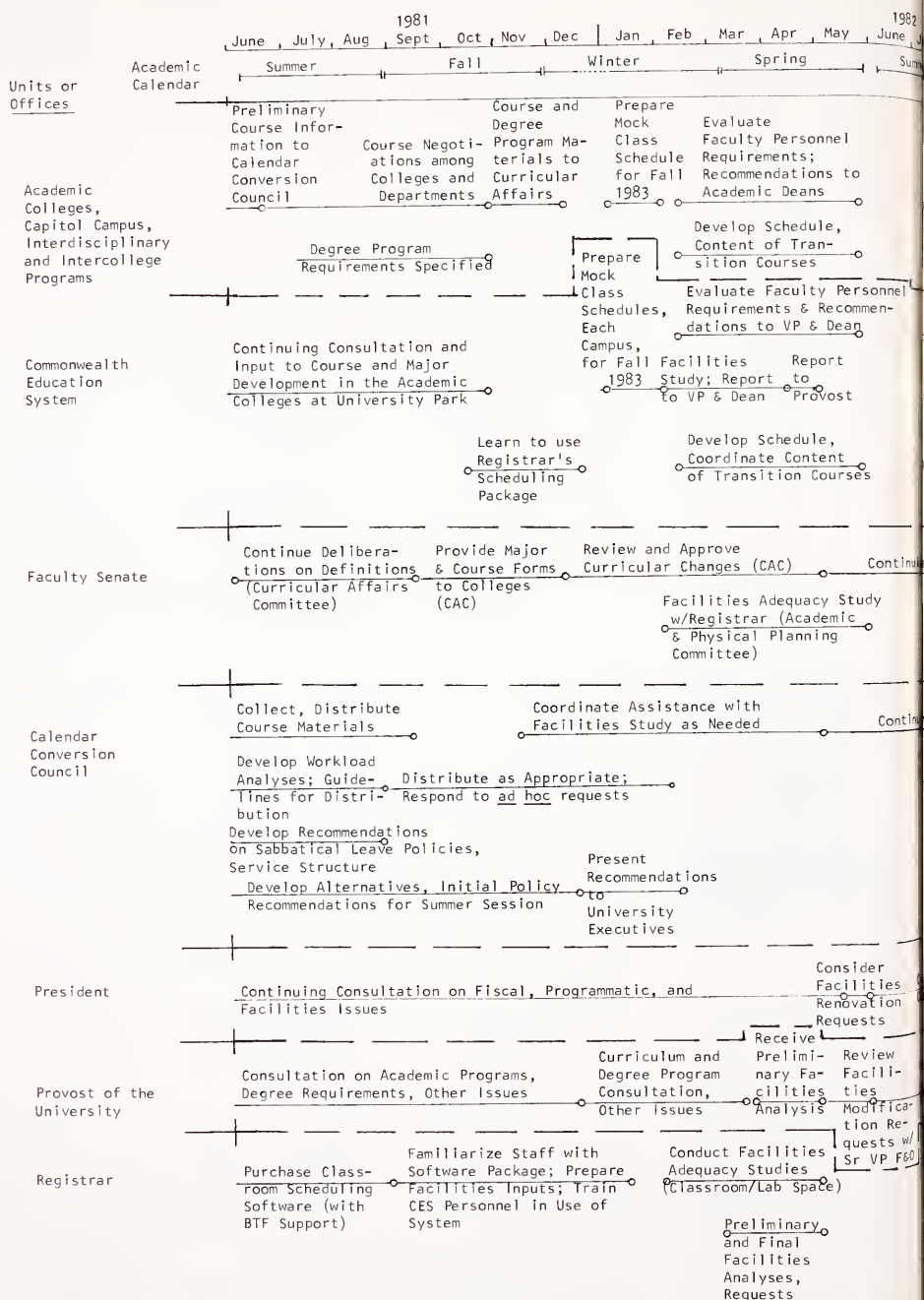
Doreen Blessing, clerk binding; **Libraries: Janet Brannan**, clerk/hostess, **Nittany Lion Inn: Sandra Brown**, secretary C, Graduate School; **Kay Christine**, secretary C, Agriculture; **Janet Coder**, clerk, accounting B, Housing & Food Services; **Sandy Detwiler**, secretary C, Engineering; **Julia Gibboney**, clerk, medical records B, Health Services; **Peggy**

(Continued on page 6)

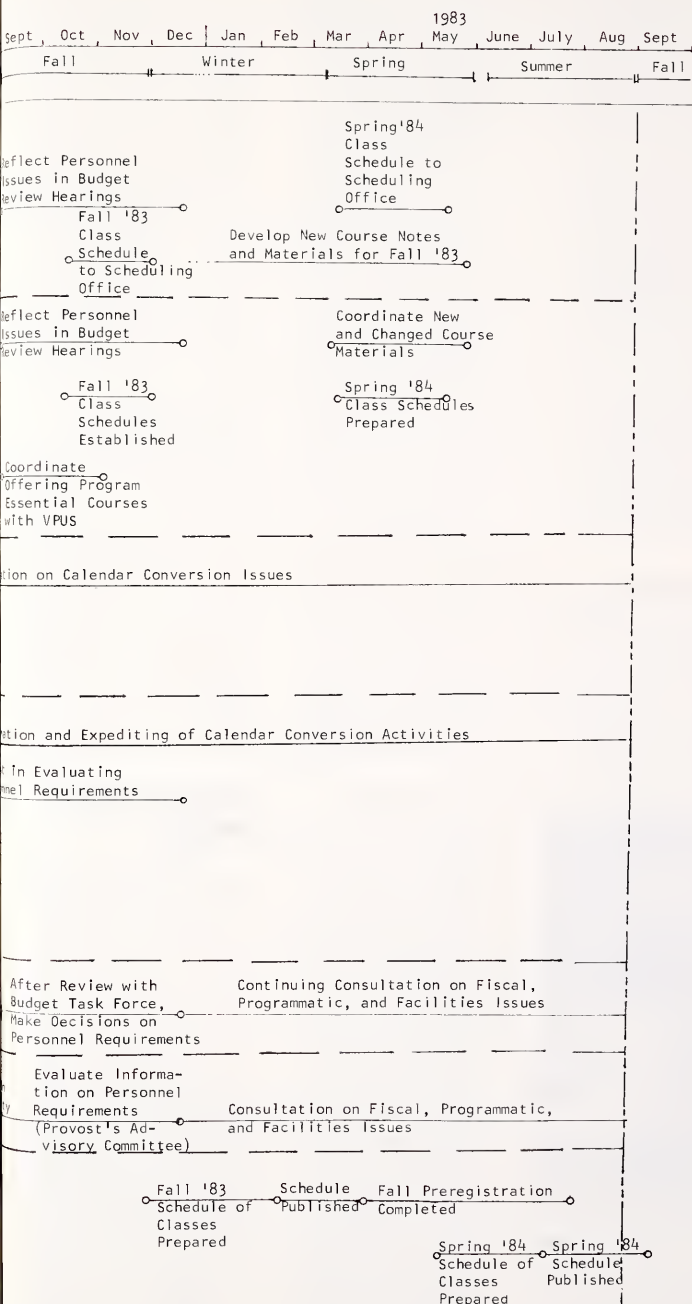
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Council charts 'major events' in U



University calendar conversion process



The accompanying schedule shows the major events which must occur for conversion to the early semester calendar in the fall of 1983. The schedule is expected to be updated and republished as necessary to assist in keeping the University community aware of activities which must occur prior to fall of 1983. It is not intended to show *all* of the interrelationships and communications necessary between organizations within the University to accomplish the conversion. Those organizations included on the chart are there because of the high degree of communication which is now, and will continue to be, necessary over the next several years.

The schedule is organized as follows: The months and years until the date the calendar conversion takes place are shown across the top; the current academic calendar, indicated by the beginning and ending dates of each term through the summer of 1983, are shown below the time headings; major academic organizations are shown on the first three areas going vertically down the left side of the chart. The Calendar Conversion Council, which has coordinating and expediting responsibilities for calendar conversion, is shown next. The Offices of the President and Provost are then shown, followed by the Office of the Registrar.

The major activities to be completed by the academic units of the University are as follows:

— The units which include, for purposes of this schedule, the academic colleges, Capitol Campus, interdisciplinary and intercollege programs, and the Commonwealth Educational System, have already started the process of reviewing and updating course offerings. Preliminary course materials submitted to the Calendar Conversion Council by these organizations are being distributed in order to meet a variety of information needs of all academic departments. Negotiations necessary to refine these preliminary course data are expected to continue throughout the summer and early fall months. Course and degree program materials are to be submitted to the Faculty Senate Committee on Curricular Affairs in mid-December.

— In early 1982 colleges and campuses will be requested to prepare a mock class schedule for the fall of 1983. (Some preliminary information on classroom scheduling may be requested in Fall, 1981.) The mock schedule will be used by the Office of the Director of Registration and Scheduling, in conjunction with other appropriate offices, to determine the sufficiency of classroom space within the University.

— During the late winter and spring of 1982, academic units will evaluate their personnel requirements and make recommendations to the academic deans. Critical personnel issues will be reflected in the budget review hearings which will commence in the fall of 1982.

— Also in the late winter and early spring of 1982, academic units will be requested to evaluate their course offerings in order to prepare, as necessary, transition courses to insure that students will not be penalized in their academic progress because of conversion to the semester schedule.

The Faculty Senate will participate in a wide variety of policy-related discussions during the conversion process. It will continue to develop the necessary definitional changes required by the calendar conversion, and will perform its

(Continued on page 8)

News in Brief

Wayne Bechdel promoted in Arts and Architecture

Wayne R. Bechdel, assistant dean for continuing education in the College of Arts and Architecture since 1969, has been promoted to associate dean, effective July 1.

Prior to his appointment to Arts and Architecture, Mr. Bechdel spent 14 years as an administrator in Continuing Education, including 11 years as director of the Conference Center.

During Mr. Bechdel's tenure with Arts and Architecture, Continuing Education credit course offerings have increased fourfold and non-credit offerings have doubled. In 1980 the National University Continuing Education Association honored Mr. Bechdel with the Stanley Robinson Award for excellence.

Energy grant applications submitted by University

Applications to the Governor's Energy Council for energy conservation measures grants totaling \$1,135,000 have been submitted by the University.

Technical assistance reports detailing the conservation changes needed were prepared for 21 buildings at University Park and 12 buildings on other campuses at a cost of \$65,041. These reports, paid for in part by 30 percent federal matching funds, designated the specific improvements needed in each building.

The grants originate with the U. S. Department of Energy, but are being administered by state authorities. Awards will be announced by Sept. 1.

Schuylkill Campus center gets national affiliation

The Center for Economic Education (CEE) at the Schuylkill Campus has become an affiliate of its national counterpart, the Joint Council on Economic Education (JCEE).

Committed to fostering understanding of economic theory and practice in the community, the Schuylkill Campus CEE is the first Penn State Center to become an affiliate of the national organization. It is one of only 10 such centers in Pennsylvania and one of 214 nationwide.

"The Schuylkill Campus Center's affiliation with the Joint Council reflects the national organization's confidence in the Center's ability to render quality service to the community," says Dr. Wayne D. Lammie, campus director.

"More importantly," he adds, "the affiliation will strengthen the Schuylkill Center's programs and provide valuable resources and support for its activities."

Those activities, explains Dr. David A. Martin, director of the Center, include conducting seminars, workshops and mini-conferences for elementary and secondary school teachers to help them teach economics in their classrooms.

Exercise program participants sought

Two graduate students — Cathy Talano, physiology, and Liz Klunk, nutrition — are recruiting women ages 35-65 to participate in an eight-week exercise program beginning early in August. "Diabetic and non-diabetic overweight women and non-diabetic women of normal weight are being sought. Of special need are diabetic overweight women."

Exercises will include aerobic dance, aerobic games, walking-jogging and water games. All participants will be exercise-tested this month at the Human Performance Research Laboratory and will receive exercise and dietary prescriptions.

Ms. Talano and Ms. Klunk can be reached by telephoning 863-0525 from 10 a.m. to 12 noon and from 2 to 4 p.m.

Alumni Vacation College features faculty speakers

During the second week of the University's Annual Alumni Vacation College July 19 through 25, nine faculty members will speak on topics ranging from the Underground Railroad to the computer revolution.

The overall theme for the program, which is sponsored each year by Penn State's Alumni Association, will be "Swamping the Senses." Theme for the first week of the Vacation College, which concludes Saturday, is "Shaping the 80s."

Adult participants attend a series of lectures and take part in cultural and recreational activities. Separate programs are planned daily for children.

Lecturers and their topics for the second week are:

"Communication and Thought," Richard Gregg, professor of speech communication; "Sayonara Kojak — U. S. Leadership in International Electronic Media," Richard Barton, associate professor of speech communication; "Contemporary American Literature," Theodore Gross, provost and dean of Penn State's Capitol Campus.

Also, "Communicating on the Underground Railroad," Ann Shields, producer-director for WFSU-TV; "Emblems: Keys to Hidden Meanings in Paintings," Roland Fleischer, professor of art history; "Communication Technologies and Social Change," Mary Mander, assistant professor of speech communication. In addition, "Patterns, Personality and Technology in the Popular Arts," Ellis Grove, associate professor of general education in the arts; "National Security — Our Vulnerability in the 80s," David Myers, associate professor of political science; and "Communication and the Computer Revolution," Frank Vastola, professor of fuel science.

Communications Seminar

A seminar entitled "Enhancing Classroom Communication" will be held on Wednesday, July 15, from 1 to 4 P.M. in Room 128 Mitchell Building. Faculty and graduate teaching assistants are invited to attend this session to become acquainted with the skills and techniques to improve the transmission of information in the classroom.

The seminar will be conducted by Maryellen Gleason of the Speech Communication Department and Mary Ann Chezik of the UDIS staff. It will emphasize a variety of factors that affect the success of communication. For more information and to make reservations for either the seminar or followup discussion groups, call 863-0668.

Park Ave. detour detailed

Park Avenue is closed to westbound traffic from Shortledge Road to North Atherton Street during this summer's construction of left turn lanes at Park Avenue's intersections with North Atherton and North Allen streets.

Westbound vehicles that approach the construction site from University Drive are being rerouted down Shortledge Road to East College Avenue. The detour will be lifted when construction is completed on Aug. 26.

The construction work includes widening Park Avenue on the University side, resurfacing, building new curbs on both sides and constructing left turn lanes at the two signalized intersections.

Airport personnel changes

Reorganization at University Airport has resulted in these personnel changes. Duane O. Callahan, who has served as a staff pilot since 1966, has become Supervisor — Airport Operations. Charles K. Farwell, who began University employment in 1963 as a flight instructor and later was promoted to chief flight instructor, is now Foreman — Airport Operations.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed in the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., July 16, 1981. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (PSE-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

COORDINATOR OF FINANCIAL AID, GRADUATE SCHOOL, University Park

Responsible to the Dean of the Graduate School for planning, developing, organizing, directing and implementing all actions and responsibilities related to the Graduate School financial aid programs with special emphasis on the development and coordination of financial aid awards within federal, state, private and institutional provisions. A Master's degree (or equivalent) in student personnel, higher education, business or public administration plus 2 to 3 years of effective financial aid experience including experience and knowledge of data processing routine as it applies to information systems. This is a Fixed Term 1 appointment.

NURSE ANESTHETIST, COLLEGE OF MEDICINE, Hershey

Administratively responsible to the Chairman of the Department of Anesthesiology and professionally responsible to a designated anesthesiologist to administer anesthesia, and to provide pre-operative, operative, and post-operative care to patients. Participate in the pre-operative review of the patient's medical record and explanation to the patient of the anesthesia procedures anticipated. Select and administer anesthesia under the professional direction of a staff anesthesiologist. Continuously monitor the patient during surgery. Select and prepare equipment, instruments, and supplies to be utilized. Responsible for the collection of various research data as assigned. Graduate of accredited school of nursing plus graduation from an accredited school of Nurse Anesthesia and registered in the State of Pennsylvania. In addition, one to two years of effective experience is required.

DIRECTOR OF CAMPUS RELATIONS, CAPITOL CAMPUS Responsible for organizing and conducting a comprehensive University relations program for the entire campus to include public information, development programs and alumni affairs. Bachelor's degree, or equivalent, plus four to seven years of effective experience involving development, fund raising and newspaper and/or journalistic writing. Must have a minimum of five years experience in higher education is desirable.

COUNSELOR, STUDENT AFFAIRS, University Park

Responsible to provide various services to individual students to enable them to effectively adjust to the University environment socially, personally, and academically to the extent at which

other services are indicated. A Master's degree in sociology or counselor education is required. Over one year up to and including two years of effective experience in a directly related activity is necessary. This is a 10-month standing appointment beginning Aug. 17, 1981.

FINANCIAL ASSISTANT, COLLEGE OF AGRICULTURE, University Park Responsible to the Associate Dean for Administrative Services for providing assistance to the Financial Officer relative to a wide variety of College financial matters. Performs accounting duties for various budgets, grants and miscellaneous funds. Assists in the preparation of annual budget to include reallocation of budgets, processing, recording, plan changes, promotions, salary increases, etc. Assists in the audit of auxiliary enterprises. Implements College procedure relative to the Federal Office of Management and Budget regulations, especially those concerning costs applicable to grants, contracts, etc. Identifies possible problems relating to college financial matters. Provide staff support to College Fiscal Specialists. Prepare a variety of monthly and special accounting reports and summaries Bachelor's degree (or equivalent) in Accounting with one or two years of effective experience required preferably in a University setting.

PROGRAMMER/ANALYST, COLLEGE OF AGRICULTURE, University Park

Responsible to the Manager of Data Processing Services for assistance in the analytical and programming phases of research projects. Develop new computer programs and upgrade, maintain and adapt existing programs. Plan logical steps to solution of problem, use of computer systems components, input and output data formats and translate plans into computer instructions. Confer with project personnel to determine the objectives, anticipated results, and use of project data. Advise researchers in the design of survey forms, types of analyses and time requirements. Advise and assist researchers in the efficient execution and the debugging of programs. Bachelor's degree (or equivalent) with a major in mathematics, statistics, or computer science or related field, and one to two years of effective programming experience is required. Course work in linear algebra, trigonometry, statistics, calculus, statistics, computer languages, and system programming is particularly desirable.

SENIOR PROGRAMMER/ANALYST, COLLEGE OF AGRICULTURE, University Park

Responsible to the Manager of Data Processing Services for assistance in the solution of complex data processing problems requiring research projects and for supervision of office staff. Develop new computer programs and upgrade, maintain and adapt existing programs. Plan logical steps to solution of problem, use of computer system components, input and output data formats and translate plans into computer instructions. Confer with Project personnel to determine the objectives, anticipated results, and use of project data. Advise researchers in the design of survey forms, types of analyses possible and time requirements. Advise and assist researchers in the efficient execution and the debugging of programs. Act as a consultant on joint projects with other Universities. Attend pertinent conferences and workshops. Bachelor's degree or equivalent with a major in mathematics, statistics, or computer science and two to four years of effective experience is required. Course work in linear algebra, numerical analysis, calculus, statistics, computer languages and systems programming is particularly desirable.

Staff development

(Continued from page 3)

Grove, clerk B, Continuing Education; Tammy Gummo, clerk B, Health, Physical Education & Recreation; Bonnie Henninger, clerk typist A, Science.

Kathleen Houser, clerk typist B, Agriculture; Susan Kelleher, clerk typist B, Agriculture; Brenda Keller, clerk typist B, Arts & Architecture; Cynthia Kress, secretary C, Engineering; Valerie Lanager, clerk typist B, Human Development; Elizabeth Lass, receptionist C, Engineering; Nancy Martz, clerk B, Health, Physical Education & Recreation; Karen McCrea, stenographer A, Engineering.

Wendy Miller, receptionist typist, Science; V. Diane Mullen, clerk registration A, Continuing Education;

Linda Plozner, data preparation operator B, Alumni Association; Kathleen Porteous, clerk, information processing A, Libraries; Elana Pyle, secretary C, Human Development; DeLoise Reeves, clerk typist A, Science; Laura Sewell, clerk typist A, Earth & Mineral Sciences; Ruby Shepherd, clerk typist B, Business Administration; Carol Sonnier, secretary C, Science; Wanda Wagner, campus scheduler, Continuing Education; Cathy G. Watson, technical secretary C, Earth & Mineral Sciences; Margaret Williams, data preparation operator C, Alumni Association; Mildred Witherite, clerk, recorder, Continuing Education;

Kathleen Wolfe, cashier, check cashier, Bookstore; Jacqueline Wooden, secretary C, President's Office; Kaye Yarnell, Secretary C, Science.

Faculty/Staff Alerts

Social Security numbers needed to process claims

The University is pleased to announce that the claims payment system for the hospital/surgical/major medical expense program has been improved. Claims are now being processed by a computer system. This new automated system will increase accuracy and decrease the time required to process each claim.

Under this new system, however, it is very important that each claim form include the faculty or staff member's Social Security number. Claim forms that do not have the faculty or staff member's Social Security number cannot be processed until the Social Security number is obtained, thus causing delays.

Any questions concerning the submission of claim forms may be referred to your Personnel Representative, Business Manager, or the Employee Benefits Division, Room 133 Willard Building, 814-865-1473.

Correction

Although Pattee Library staff members may be disappointed, contrary to what appeared in the June 25 INTERCOM, the library will not close at 1 p.m. Mondays through Thursdays during the summer. The library will remain open until 10 p.m.

University Park Calendar

July 9-
July 26

Special Events

Thursday, July 9

CPFA, sidewalk sales and exhibitions, noon-midnight, campus and downtown.
Penn State Dames meeting, 7:30 p.m. Room 101 Kern.

Festival Theatre, *Once Upon a Mattress*, 8 p.m., The Playhouse; *Born Yesterday*, 8 p.m., The Pavilion Theatre.

GSA Explazaganza Film, *The Little Prince* (Gene Wilder, Richard Riley), dusk, Fisher Plaza.

Friday, July 10

Board of Trustees meeting, Ogontz Campus.
CPFA, sidewalk sales and exhibitions, 9 a.m.-midnight, campus and downtown.

Commonplace Theatre, *Being There*, 7 p.m.; 10, 9:15 p.m., Room 112 Kern.

Nittany Mountain Summer Festival, John Hartford, bluegrass music, 7 and 9 p.m., Eisenhower Auditorium.

Festival Theatre, *Once Upon a Mattress*, 8 p.m., The Playhouse; *Born Yesterday*, 8 p.m., The Pavilion Theatre.

Interlanka Folk Dancing, 7:30 p.m., HUB Ballroom.

Saturday, July 11

Board of Trustees meeting, Ogontz Campus.
Deadline for August graduates to deliver master's theses or papers to adviser.

CPFA, sidewalk sales and exhibitions, 9 a.m.-midnight, campus and downtown.

France-Cinema, Brusati, *Bread and Chocolate*, 7 and 9 p.m., Room 112 Kern.

Festival Theatre, *Once Upon a Mattress*, 8 p.m., The Playhouse; *Born Yesterday*, 8 p.m., The Pavilion Theatre.

Nittany Mountain Summer Festival, New American Ragtime Ensemble, 8 p.m., Eisenhower Auditorium.

Sunday, July 12

CPFA, sidewalk sales and exhibitions, noon-midnight, campus and downtown.

Commonplace Theatre, *Being There*, 7 p.m.; 10, 9:15 p.m., Room 112 Kern.

Festival Theatre, *Once Upon a Mattress*, 7:30 p.m., The Playhouse; *Born Yesterday*, 7:30 p.m., The Pavilion Theatre.

Shaver's Creek Environmental Center, Alan Seeger Trail Hike, 1-3 p.m. Information and registration, 865-1851.

Monday, July 13

Shaver's Creek Environmental Center, Walnut

Springs Walk, 7-9 p.m. Information, 865-1851.

Deadline for August graduates to take final oral doctoral examinations and to submit camera-ready thesis manuscripts to Thesis Office.

France-Cinema, Brusati, *Bread and Chocolate*, 7 and 9 p.m., Room 112 Kern.

Tuesday, July 14

Shaver's Creek Environmental Center, Reptile & Amphibian Program, 10:30-11:30 a.m., "Fur Forest" Tot Lot. Information, 234-7188.

Pass/Fail (eight week Summer Term).

Phi Delta Kappa Summer Seminar Series, 2:20 p.m., Room 101 Kern. George Bonham, Council on Learning and Change magazine, on "Global Power and Educational Directions — Linking Responsibilities with Capabilities."

GSA Explazaganza Concert, The Atherton String Quartet, 7 p.m., Fisher Plaza.

Wednesday, July 15

Pass/Fail (eight week Summer Term).

UDIS workshop, "Enhancing Classroom Communication," 1 p.m., Room 128 Mitchell. Reservations, 863-0668.

Commons Concert, noon, Kern Lobby.

University Libraries Reference Section Seminar, Guide to research in field of education, 2:30-4 p.m.; 7-8:30 p.m., E105 Pattee Lecture Room.

Thursday, July 16

Drop deadline (eight week Summer Term).

Pass/Fail (eight week Summer Term).

Course repeat deadline (eight week Summer Term).

HUB Craft Center, Open House, 7:30-9:30 p.m., Room 312 HUB.

Fred Waring Summer Youth Concert, 8 p.m., Schwab.

GSA Explazaganza film, *Modern Times* (Charlie Chaplin), dusk, Fisher Plaza.

Shaver's Creek Environmental Center, Reptile & Amphibian Program, 10:30-11:30 a.m., Halfmoon Park. Information, 234-7188.

Seminar (follow-up discussion), "Enhancing Classroom Communication," 10 a.m.-noon, 103 Mitchell. Information and reservations, 863-0668.

Friday, July 17

Commonplace Theatre, "Richard Pryor Live in Concert," 7:30 p.m.; *Roadie*, 9 p.m., Room 112 Kern.

Fred Waring Summer Youth Concert, 8 p.m., Schwab.

Nittany Mountain Summer Festival, Joyleff II Dancers, 8 p.m., Eisenhower Auditorium.

HUB Movie, *Three Stripes Go Around The World in a Day*, 9:30 p.m., HUB Lawn.

Interlanka Folk Dancing, 7:30 p.m., HUB Ballroom.

Seminar (follow-up discussion), "Enhancing Classroom Communication," 1-3 p.m., 103 Mitchell. Information and reservations, 863-0668.

Saturday, July 18

Deadline to register for second session classes, HUB Craft Center, Room 312 HUB.

France-Cinema, Truffaut, *Small Change*, 7 and 9 p.m., Room 112 Kern.

Nittany Mountain Summer Festival, Joyleff II Dancers (new program), 8 p.m., Eisenhower Auditorium.

Sunday, July 19

Alumni Assn., Vacation College, "Swamping the Senes," through July 25. Information: 865-6516.

HUB Craft Center, second session classes begin.

Commonplace Theatre, "Richard Pryor Live in Concert," 7:30 p.m.; *Roadie*, 9 p.m., Room 112 Kern.

Monday, July 20

Special Lecture, Dr. A. Sankaram, "Recent Endeavors in Agricultural Production in India," 3 p.m., Room 301A Ag. Administration. Information, 865-1221 or 863-0249.

Color Slide Club meeting, 7:30 p.m., Room 189 Materials Research Lab.

France-Cinema, Truffaut, *Small Change*, 7 and 9 p.m., Room 112 Kern.

Shaver's Creek Environmental Center, Walnut Springs Walk, 7-9 p.m. Information, 865-1851.

Tuesday, July 21

Deferred grade deadline.

Phi Delta Kappa Summer Seminar Series, 2:20 p.m., Room 101 Kern. J. Robbins Kidd, International Council for Adult Education, Toronto, on "The Affirmers: First Person Reports of Learning and Implications for Research and Practice."

Special Lecture, Dr. A. Sankaram, "Crop Production in India with Special Reference to Fertilizer Use," 3 p.m., Room 301 Ag. Administration. Information, 865-1221 or 863-0249.

Wednesday, July 22

GSA Explazaganza concert, Menagerie, 7 p.m., Fisher Plaza.

Commons Concert, "701" (name of group), noon, Kern Lobby.

Shaver's Creek Environmental Center, Reptile & Amphibian Program, 6-7 p.m., College Heights School. Information, 234-7188.

Thursday, July 23

Festival Theatre, Ernest Thompson, *On Golden Pond*, 8 p.m., The Pavilion Theatre.

GSA Explazaganza film, *The Graduate* (Dustin Hoffman, Katherine Ross, Anne Bancroft), dusk, Fisher Plaza.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Friday, July 24

Commonplace Theatre, *Foxes*, 7:30 p.m.; *The Rose*, 9:20 p.m., Room 112 Kern.

Festival Theatre, Ernest Thompson, *On Golden Pond*, 8 p.m., The Pavilion Theatre.

HUB Movie, *Dial M for Murder*, 9:30 p.m., HUB Lawn.

Interlanka Folk Dancing, 7:30 p.m., HUB Ballroom.

Saturday, July 25

France-Cinema, Weir, *Picnic at Hanging Rock*, 7 and 9 p.m., Room 112 Kern.

Nittany Mountain Summer Festival, Mel Tillis, 7:15 and 9:30 p.m., Eisenhower Auditorium.

Festival Theatre, Ernest Thompson, *On Golden Pond*, 8 p.m., The Pavilion Theatre.

Sunday, July 26

Commonplace Theatre

Festival Theatre, Ernest Thompson, *On Golden Pond*, 8 p.m., The Pavilion Theatre.

Exhibits

Anthropology Museum (Sparks Building): Special CPFA hours, July 9, noon-8 p.m.; July 10, 10 a.m.-8 p.m.

Chambers Gallery: open Monday through Friday, 8 a.m.-5 p.m. CPFA Child Art exhibit.

HUB: Art Alliance Juried Member Show. CPFA, Alice Aycock, Bruce Oppenheim, drawings, Elaine Mayes, photographs.

Kern Gallery: open Monday through Saturday, 8 a.m.-11 p.m.; Sunday, noon-11 p.m. CPFA Juried Photography exhibit and Glass Invitational.

Museum of Art: open 11 a.m.-4:30 p.m. Closed Mondays. Tours, Sundays, 1:30 p.m. Special hours July 9-11, 11 a.m.-8 p.m.

Twentieth-century works from the Museum's collection, "Hemline, Neckline, Streamline: Women's Fashions 1890-1940" from the collection of Beverly Berks. CPFA Juried Crafts exhibit.

Pattee Library: Paul Matthews, paintings, East Corridor Lobby. Beverly Laverdiere, paintings, Lending Services Lobby. Carol Trent, ceramics, Main Lobby. Martha Carothers, "The Design and Production of Children's Novelty Books," Rare Books Room.

Visual Arts Zoller Gallery: open 11 a.m.-4:30 p.m. Closed Mondays. Special hours July 9-11, 11 a.m.-8 p.m. Lianne Sommes, posters.

Hartford, Ensemble to perform

Nittany Mountain Summer Festival continues with two presentations in Eisenhower Auditorium during the Arts Festival weekend.

John Hartford, three-time Grammy award winner, will perform a rousing evening of bluegrass music at 7 and 9 p.m. on Friday, July 10.

Hartford, a musician, lyricist, entertainer, humorist, artist, and riverboat captain, was raised in St. Louis. After a number of jobs, he became a session musician in Nashville. This led to his association with RCA, where he recorded eight albums.

As a result of these albums, Hartford became a regular on the Smothers Brothers' Comedy Hour and The Glen Campbell Goodtime Hour. During this period Hartford wrote "Gentle On My Mind," which, sung by Glen Campbell, reached the top of the charts and gradually became a classic. The song won Hartford two Grammy Awards, plus one for Campbell, and over the next two years was recorded by more than 300 artists around the world.

After leaving The Goodtime Hour, Hartford toured with his band, which included Vassar Clements, Norman Blake, and Tut Taylor. Then, in the early 70's, he made the decision to strike out on his own, developing more facets of his own talent. Hartford then signed with Flying Fish Records. His first album with them, "Mark Twang," brought another

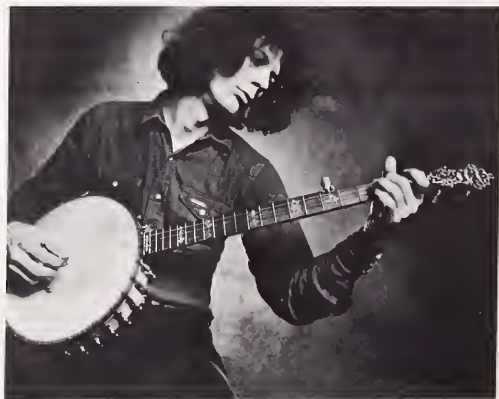
Grammy (in the traditional-ethnic-folk category in 1976).

Hartford's professional success has given him the freedom to get back to his other love — the river. A licensed riverboat captain, he uses the river life and its people as the basis for many of his works. Most of the last eight years he has worked on the paddlewheeled steamboat, "Julie Belle Swain," as deckhand and entertainer, but mostly learning the river.

The basis of Hartford's music is bluegrass, to which he adds his own special twists. His songs and performances are done lightly and in fun, yet with a serious strain underlying what he projects. His one-man show consists of performing on banjo, fiddle, guitar, and dancing upon an amplified piece of plywood, which he calls dog dancing.

As the second event, Saturday, July 11, at 8:00 p.m., the New American Ragtime Ensemble will perform the syncopated rhythms of ragtime.

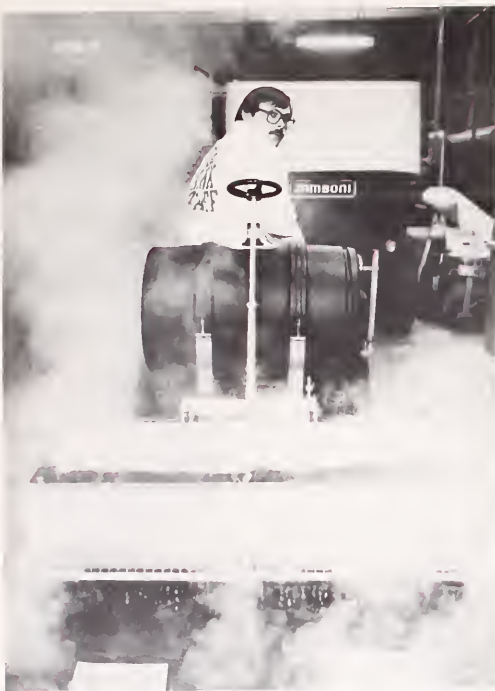
The ensemble is a 12-member orchestra that employs the traditional ragtime orchestra of flute, piccolo, clarinet, trumpet, trombone, tuba, two violins, viola, cello, piano, and percussion. The group was formed in 1976 by Tom Maguire, principal percussionist for the Oklahoma Symphony Orchestra, to celebrate the nation's bicentennial with musical performances which drew from the experiences of the American



John Hartford

The music known as ragtime marked its beginnings in the 1880s. It was the result of mixing different cultural and musical traditions — the African musical heritage brought by the slaves and the white American musical culture derived from European origins. Scott Joplin, the "King of ragtime," began the ragtime era when his "Maple Leaf Rag" became the first piece of sheet music to sell more than a million copies.

By appearing in turn-of-the-century formal dress, the New American Ragtime Ensemble recreates the time when the century was young and ragtime was the rage. Included in the ensemble's repertoire is the American music of Joplin, Blake, Stravinsky, and Gottschalk, along with the music of European composers Satie and Debussy.



Brian Hassinger, maintenance supervisor at the new ice rink, uses the rink's specially designed "little Zamboni." One of two conventional Zamboni machines rests in the background.

At new rink

Maintenance efforts focus on safety, energy conservation

Brian Hassinger takes care that Penn Staters don't skate on thin ice!

Mr. Hassinger is the maintenance supervisor at the new ice rink, and he puts top priority on safety. His job includes cleaning and resurfacing the ice, maintaining the rink's machinery, controlling ice temperature — and even working behind the cash register when things get busy.

Maintaining the ice surfaces is a round-the-clock job, according to Mr. Hassinger, who was a member of the landscaping department for seven years. First thing every morning, the supervisor checks the boards and Plexiglas around the main rink, as well as the ice surfaces there and in the smaller studio rink for chips.

"In addition to safety, we gear our operation around conserving water and electricity to reduce costs," Mr. Hassinger says. "The rink has averaged about 20 hours of use a day since it opened in January."

Two Zamboni machines maintain the surface of the main rink, and a garden tractor has been converted to a little Zamboni for the studio rink. The tractor was designed for Penn State at the ice rink of Bowling Green University.

Mr. Hassinger and the other Zamboni drivers clean the main rink seven or eight times a day. Sometimes they dry cut the ice — shave off snow without putting down water — but usually they put down a thin layer of 180-degree-Fahrenheit

water that freezes and becomes the new surface.

The Zamboni machine was invented by Frank Zamboni in the late 1940s. A blade scrapes the ice while augers move the scrapings to a holding tank. At the same time, the machine lays water on the ice, which is then smoothed over by a cloth strip.

The studio rink, with less than one-fifth the area of the main rink, offers different problems. Besides needing the special tractor, the rink does not have a refrigeration unit.

Cold air is recirculated to keep the ice temperature as stable as possible, but frost does form on the ice surface. The temperature in the room itself can rise two or three degrees if a door stays open for even a few minutes.

Mr. Hassinger says ice temperature is usually about 19 degrees for figure skating and 16 degrees for hockey. Temperature changes in the main rink take about two hours and are planned in advance to save electricity.

The rink is an auxiliary enterprise of the College of Health, Physical Education and Recreation. It operates on income from admissions and group rentals.

Rink manager Larry Fies says the rink will stay open throughout the spring and summer for all area skating enthusiasts. He stresses that the rink is a facility for the whole community, not just the University.

Dean Walters

(Continued from page 1)

officer of The American Research Institute for the Arts and has been chairman of the Caucus on the Arts in Higher Education since 1978. In addition, he was president of the U.S. Institute for Theatre Technology and is still a member of its board of directors. He was chairman of the founding committee and first president of the University and College Theatre Association.

Dean Walters developed an internship program in auditorium management to which the Republic of China, Taiwan, sent students for training. Last year, Dean Walters acted as a consultant to the Ministry of Education in Taiwan for the establishment of a new fine arts college. He will return to Taipei in August in connection with this project.

In May, he was an invited discussion

leader at an international conference in Florence on professional education and career entry of artists, sponsored by the International Council of Fine Arts Deans.

A native of Alabama, Dean Walters earned his B.S. in English literature at Troy State University and his Ph.D. in English literature at the University of Wisconsin-Madison. Western Reserve University granted him an M.F.A. in drama and a Ph.D. in literature and drama.

A Fellow of the American Theatre Association and of the U.S. Institute of Theatre Technology, Dean Walters served on Pennsylvania's Council on the Arts and was honored for his contributions to education by a Governor's Citation. This spring he was made an honorary member of the Pennsylvania-Delaware Chapter of the American Society of Landscape Architects.

He and Mrs. Walters plan to move to the Jacksonville, Fla., area.

Calendar Conversion

(Continued from page 5)

review and approval function with regard to curricular and student program changes. The Academic and Physical Planning Committee will be involved in the facilities analysis which will be conducted by the Registrar's Office in conjunction with the Office of the Vice President for Business. Input on other issues will be requested as needs arise.

The *Calendar Conversion Council* will continue in its role of coordinating and expediting the conversion process. Activities currently defined and underway within the Council are:

- To assist the academic units by acting as a primary distribution point for course materials developed by the academic units;
- To assist the Office of the Registrar in conducting the facilities adequacy studies;
- To develop instructional workload analyses of the academic units, and to later assist in evaluating personnel requirements, as requested, in the budget review hearings;
- To develop recommendations on sabbatical leave policies for faculty members, as well as recommendations on the weeks of service expected of faculty members under the semester calendar.

These recommendations will be made in consultation with appropriate offices around the University;

- To develop alternative concepts and initial policy recommendations for implementing a summer session within the University. A Standing Committee of the Calendar Conversion Council will have continuing responsibilities in this area.

The President and the Provost will be consulted and kept continuously informed with regard to the progress of calendar conversion. The results of the facilities analyses will be presented to them. Recommendations with regard to personnel requirements will be considered as part of the budget review process in the fall and winter terms of 1982-83.

The Office of the University Registrar will conduct analyses of classroom and laboratory facilities at University Park and will be assisted in that study by other University offices. Results of the analyses and recommendations for possible changes in facilities will be made in the spring of 1982. Computer software capabilities used in the facilities analysis will be made available to other locations of the University for similar analysis there.

There are many other organizations, not shown on this schedule, which will play an important part in the conversion process.

— *Management Services* will be required to make significant changes to the processing of student data under the semester calendar. Management Services also will be expected to assist the Registrar in the facilities analysis.

— The *Publications Office* has been requested to modify the publishing schedule for degree catalogs for the 1983-84 academic year. The Associate Degree Catalog and the Baccalaureate Degree Catalog are to be published by Nov. 7, 1982, and the Graduate Catalog will be published by March 1, 1983.

Funding Sources

For further information, call 865-1372

(62-2) Grants for Engineering Research Equipment are available from the National Science Foundation either as "permanent equipment on regular research grants" or through "proposals exclusively for research equipment at institutions of higher education." The objective of the equipment grant is to "improve the quality or broaden the scope of the research which will be conducted." There are no proposal deadlines but a special effort is made to process proposals received during September and October. (Ref. NSF 81-31)

(62-2) Opportunities to teach abroad and to attend seminars abroad are available under the Fulbright Teacher Exchange program of the U.S. Department of Education. Exchanges are currently conducted with the United Kingdom, Germany, France, Switzerland, Denmark, Canada, and New Zealand. Applications are due between Sept. 1 and Nov. 1, 1981. For brochure and application call (202-245-9700), the Teacher Exchange Branch of Education. (Ref. ED announcement)

Dr. Toombs

(Continued from page 1)

higher education. Current projects include an NSF-sponsored study of institutes and centers connected with universities and a study of administrators' career patterns. Researchers at the Center also are exploring regional affiliations among community colleges and four-year institutions.

Dr. Toombs was a visiting scholar at the University of London's Institute of Education during the 1980-81 year. From 1977 to 1979, he was in charge of Penn State's higher education program.

He joined the Penn State faculty in 1971, following four years on the staff of the University of Michigan's Rackham School of Graduate Studies. He had previously been affiliated with Drexel University, first as associate professor of sociology and later as dean of men.

Dr. Toombs received a bachelor's

degree in history and biology from West Chester State College in 1942. He holds a master's degree from the University of Pennsylvania in history, and did additional work there in sociology. His Ph.D., in higher education, is from the University of Michigan. He also has studied at the Harvard Graduate School of Business's Institute for College Administrators, the U.S. Navy's Postgraduate Intelligence School and the University of Pennsylvania's Wharton Evening School.

In recent years, Dr. Toombs' research has been primarily in the areas of faculty career change, counseling and brokering centers for adults and academic program development. He and researchers from the University's Commonwealth Educational system are presently engaged in a Kellogg Foundation study of continuing education for the professions.

Dr. Toombs is active in the American Educational Research Association and the Association for Institutional Research.

Penn State Intercom

Board to seek Pres. Oswald's 1983 successor

The University's Trustees have authorized establishment of a Trustee Presidential Selection Committee to recommend to the Board of Trustees a successor to President John W. Oswald. Dr. Oswald announced last weekend that he will retire when his current contract expires June 30, 1983.

The committee, whose members will be Trustees, will develop and implement criteria and procedures "to ensure breadth, equal opportunity, timeliness, confidentiality, and appropriate University community involvement in the search process."

"Its main duty will be to recommend a final candidate to the Board of Trustees," Board President Quentin Wood said.

Mr. Wood said he would appoint members to the committee prior to the next Board meeting in September, "and possibly within the next two weeks." Dr. Oswald, at his own request, has been excused from serving on the committee and from consultation responsibilities in the appointment of the committee. (Ordinarily, under Trustee bylaws, the University president serves on all special committees of the Board.)

In addition, said Mr. Wood, "I intend to recommend strongly to the Trustee Selection Committee that a University Presidential Search and Screen Committee be established, consisting of various representatives of the University community."

Those representatives, he said, would include "faculty members, academic deans, Commonwealth Campus directors, students and alumni. Up to half



President John W. Oswald

of the committee's members would be faculty members.

"I would hope that names of candidates for the Search and Screen Committee could be obtained from the various groups and committee members appointed by December, 1981," Mr. Wood said.

The Search and Screen Committee, he added, should complete its work by May, 1982. The Trustee Selection Committee will make a final recommendation to the Board in November, 1982.

Dr. Oswald told the Trustees at a regular meeting on the Ogozt Campus the period at Penn State "has been one of the most rewarding in my lifetime, and in many ways I shall miss working with my colleagues on the staff and you on the Trustees most deeply.

"Since 1957, however, I have been actively involved in major academic-administrative posts at three major state universities, and in October of

(Continued on page 2)

Board adopts 1981-82 budget; hears temporary housing plans

University Trustees have adopted an operating budget for the fiscal year 1981-82.

It is based on the appropriation level for Penn State approved by the Legislature and signed by Governor Thornburgh on July 1. The appropriation increase over last year will be \$6.726 million or 5.3 percent.

"We had hoped for a higher level of increase, but we recognize the heavy demands on the State's resources," said Dr. John W. Oswald, president of the University.

"While the overall state budget increase is 5 percent, the University received a 5.5 percent increase in all key line items except medical education and student aid."

Dr. Oswald further noted that "inflationary cost increases and the fact that State appropriations have not kept pace with inflation have necessitated the development of an austere budget which meets only the highest priority needs of the University.

"It is apparent that the University must continue to seek economies in all of its areas of operation. In this budget, we have made internal reductions and reallocations of \$2.2 million, bringing the 10-year total to almost \$26 million."

The economies are being made, he added, at a time when Penn State is experiencing record enrollments. "For the fall term of 1981," he said, "the University expects the record level of enrollments from last year to hold up and possibly be exceeded."

On the income side, he continued, the University has added \$1.4 million to its budget from increases in indirect cost recovery, sales and service, and investment income, and nearly \$3.5 million from enrollment changes.

On the expenditure side of the budget, the largest amounts by far are devoted to salary adjustments for faculty and staff members, and for related staff benefits, the largely mandated costs which continue to increase rapidly, Dr. Oswald said.

As is noted in the Trustee docket: "The University has placed a high priority on highly justified salary adjustments for faculty and staff members. The recommended salary adjustments for all employees not covered

by negotiated contracts represent an approximate 8 percent increase over the 1980-81 filled position salary base.

Portions of these funds will be used for basic salary increments, for merit increases, and for promotions.

"Some additional funds have been provided, (1) where extreme market conditions exist; (2) for certain individual equity considerations; and (3) as a continuing effort to correct differences that exist between our Commonwealth Campuses plus Behrend College and respective branches of other comparable public universities. The overall 8 percent increase in the salary budget base, however, does not constitute an automatic 8 percent increase for any individual or class of employees."

Priority also was placed on providing additional faculty positions in those academic colleges and departments where there is the greatest student demand. This is essential to maintain quality academic offerings in those areas.

Funding of this priority came in part from new funds, from reallocation of funds within these same academic units or from elsewhere in the University, and by making positions that were temporary last year into permanent positions. In balancing this all out, the actual number of faculty after the additions and subtractions throughout the University was reduced by seven.

Dr. Oswald further noted that, in the budget request submitted initially to the state last September, the University acknowledged the necessity of students sharing to some degree with the State the increased costs of education. Therefore, at that time, a 5 percent increase in tuition was proposed.

"It is apparent now," said Dr. Oswald, "that an additional tuition rate increase of approximately 7.6 percent beyond the 5 percent already included in the appropriation request is necessary."

The new income needed to balance the budget comes almost exactly one-half from the increase in tuition rates, and the other half primarily from the State, but also from anticipated additional students, reimbursement for indirect costs of research, and investment income. Over the recent years the general funds budget, which supports the basic educational

(Continued on page 2)

At Shenango Valley

Charles Bursley named acting director

Dr. Charles R. Bursley has been named acting director of the Shenango Valley Campus. He succeeds Dr. Eric R. Birdsall, who will continue his duties as a member of the Shenango Valley faculty and associate director for academic affairs.

"In his teaching and research — and particularly in his involvement in Penn State's Marine Sciences Program —

Dr. Bursley has consistently displayed a high regard for excellence," President Oswald said, in announcing the appointment.

"The search for a permanent director has been re-opened, and a search committee is being formed. It will be operational within the next several weeks. We expect to have a permanent director at the Campus as soon as possible, hopefully by Jan. 1."

Dr. Bursley has been active in the University's Marine Sciences Program since it was initiated 10 years ago. Through that program, students live and work for one 10-week term at the Marine Science Consortium field station at Wallops Station, Va. They study oceanography, coastal geology and biology in courses emphasizing field and laboratory work.

Dr. Bursley also teaches anatomy and physiology to students from the Sharon School of Nursing, through a cooperative arrangement between that institution and the Shenango Valley Campus.

A native of Muskegon, Mich., he holds a bachelor's degree in biology from Kalamazoo College. His master's degree in biology and Ph.D. in zoology are from Michigan State University.

(Continued on page 2)



Dr. Charles R. Bursley

New fund to enrich Museum of Art

A Museum of Art Enrichment Fund has been established at the University to embellish the programs and offerings of the University's museum.

The fund has an initial principal of \$400,000 from private gifts and an ultimate goal of \$2 million, to be met by gifts from interested individuals and organizations.

"Through this fund, we hope to assemble outstanding traveling exhibitions of art and offer seminars and other educational experiences for students," said Dr. Walter H. Walters, dean of the College of Arts and Architecture.

Dean Walters said the monies also will be used to sponsor guest lecturers, special consultants and curatorial assistance. In addition, the fund will help to provide for proper conservation of art pieces and will

cover special preparation expenses, such as catalogs.

"We expect to reach a much wider audience, both among students and other groups, with the help of this fund," Dean Walters added.

All fund expenditures will support the museum's educational and cultural purposes, and conform to University policy. The Museum's director will approve all expenditures with the concurrence of the director of University Art Services.

All expenditures will be made only from fund earnings. Earnings not spent at the close of each fiscal year will either be retained for use the following year or added to the principal, according to the request of the dean of the College of Arts and Architecture.

Trustees adopt budget . . .

(Continued from page 1)

programs of the University, has been supported about 50-50 between State appropriation and tuition income.

"The tuition increases are essential to maintain quality in our educational programs in view of continuing inflation and because the appropriation is less than requested," Dr. Oswald said.

Three additional tuition policy actions are recommended:

- First, because of the maturing four-year status of the Behrend College, the undergraduate tuition rate for students there will be increased over a three-year period to the level of undergraduate tuition at University Park. This will require an increase of \$261, or 18.4 percent, for the 1981-82 year;
- Second, it is proposed that the tuition rate for graduate students at the Behrend College, the Capitol Campus, and the Radnor Center be increased to the level of undergraduate tuition at University Park. This will be accomplished by an increase of \$255, or 16 percent, for 1981-82; and
- Third, as the last step of a multi-year plan to bring the tuition rate for undergraduate students at the Capitol Campus to the level of undergraduate tuition at University Park, an increase of \$255, or 16 percent, is proposed.

Effective with the fall term at the University Park Campus, undergraduate students who are Pennsylvania residents will pay \$207 more a year for tuition, an annual increase from \$1,641 to \$1,848. At the Behrend College the increase will be \$261 per year and at other Penn State campuses, the increase will be from \$1,416 to \$1,593. Tuition at the Capitol Campus will be increased by \$255 to \$1,848 a year (the same as at University Park).

The tuition increase for out-of-state undergraduate students at all locations will be \$144, to \$3,711 per year.

In-state graduate students will pay \$219 more at University Park and \$255 more at all other locations. Out-of-state graduate students will pay \$438 more per year at all locations.

The rates for in-state graduate students will be \$1,968 at University Park and at the Milton S. Hershey Medical Center, and \$1,848 at all other locations. Out-of-state graduate students will pay \$3,936 at all campuses.

Annual tuition rates are based on full-time attendance for three of the four annual terms.

. . . and hear housing plans

Because freshman enrollments have been higher than expected, the University will have to provide temporary housing for a number of students at University Park this fall, Trustees have been told.

Vice President for Business Ralph E. Zilly said, however, the University is taking steps to minimize the problem.

"In January, the anticipated fall term enrollment at University Park was 33,500, or an increase of 796 students over the previous year's fall term," Mr. Zilly said. "Fall term freshman admissions were targeted at 4,200, the 1980 level."

The 4,200 figure included 800 freshmen admitted to Penn State at the beginning of the 1981 summer term.

Mr. Zilly said, however, that admissions officers noted in March that freshman acceptances to offers of admission were running higher than usual and might end in exceeding the quota, possibly by as many as 200.

Last month, he added, admissions officers said they were receiving far fewer freshman cancellations this year than last. At that time, they concluded that fall term freshman enrollment — including summer term admissions — could be approximately 4,600, or 200 above the March estimates.

"University policy states that all freshmen must be accommodated in residence halls on campus," Mr. Zilly said. "Considering cancellations, we now

Tuition for in-state medical students at the Hershey Medical Center will be increased from \$5,550 to \$5,829, a 5 percent increase. Out-of-state medical students will pay \$9,105.

"A modest 5 percent increase is proposed," Dr. Oswald said. "Penn State's current tuition level for medical students is among the highest in the nation for public medical schools."

Graduate students at Hershey will pay University Park rates.

The College of Medicine will receive no additional state funds in 1981-82, Dr. Oswald noted. The college has been able to balance its increased costs by the modest increase in tuition, income from the Hershey endowment fund, income from the general purpose fund and payments for services provided by the hospital and by College of Medicine physicians and staff.

No State or tuition funds are used to support the Milton S. Hershey Medical Center Hospital or the University's auxiliary enterprises such as residence halls, food service, intercollegiate athletics and the book stores. All are self-supporting.

Of the total Medical Center operating budget of \$94,672,000, only 3.6 percent comes from State funds.

The University's general funds portion of the operating budget totals \$261 million, or about half of the University's total operating budget. It supports the University's basic programs of teaching, research and public service.

The total University operating budget for 1981-82, including the general funds portion, as well as all auxiliary enterprises and estimated research grants and other funds, is approximately \$494 million. This is an increase of about 9.5 percent over last year's figure of \$451 million.

A total of almost \$134 million, or 28.4 percent, will come from State appropriations in 1981-82.

The remainder of the income side of the operating budget, in addition to student tuition, consists of income primarily from auxiliary enterprises such as residence halls, the hospital, and intercollegiate athletics, and from restricted funds, including research grants from the Federal government, foundations, industry and private sources.

believe that approximately 800 students will be housed in temporary quarters for the 1981 fall term. This is from 100 to 300 more temporary quarters than we had originally anticipated."

He said the University has taken, or is considering, the following courses of action to minimize the problem:

- All freshman admissions offers to University Park have been closed, responses to outstanding offers returned after the deadline will not be accepted.

- A letter has been sent to all upperclassmen who hold housing contracts offering to release them from the contracts.

- Consideration is being given to limiting winter term 1981 admissions so as not to prolong the need for temporary housing.

- Students from the State College area are being asked to live at home.

Mr. Zilly noted that the problem is confined to University Park and will not affect students at other campuses.

Remaining news from the Trustee docket will be reported in the next issue of INTERCOM, July 23.

President Oswald

(Continued from page 1)

1982 I will reach the age of 65," he said. "Thus, the time clearly has come for new and vital leadership."

"I give this official notification at this time after discussions with Mr. Wood, so as to permit ample time to allow the Board to proceed with the necessary steps and processes to initiate and complete the search for a new president and the ultimate appointment of my successor."

He told the Board he would continue to work "with all that is a part of me" to maintain and strengthen Penn State during his remaining years in office.

He told the Trustees, "We are all proud of the work we did together as we planned for the 1980s, and view with pride and optimism the resulting document known as the 'Perspective on the '80s.' I am pleased at the progress we are making in implementing this most important document and I know that the University will continue to do so."

"I assure you that I have no lame duck cells in my body as I approach the next two years," he said.

Mr. Wood said Dr. Oswald's announcement "marks a point in time which many of us regret to see pass."

"On behalf of this Board," he added, "let me immediately express our appreciation for the indelible contribution you have made on the growth, development and quality of Penn State since 1970."

At the time of his retirement, Dr. Oswald will have awarded diplomas to one-half of all Penn State graduates.

Dr. Oswald, who is 63, is Penn State's 13th president. He came to the University in 1970 from the University of California at Berkeley, where he was executive vice-president, that university's number two position. From 1963 to 1968, he was president of the University of Kentucky.

A plant pathologist, he has conducted extensive research on plant viruses and virus diseases. He discovered a new disease of cereal crops, called the barley yellow dwarf, known now to be prevalent throughout the world.

Ogontz center to open this fall

An on-campus Conference Center will open this fall at the University's Ogontz Campus.

Dr. Robert A. Bernoff, campus director, told Trustees that renovations are currently underway on the structure formerly known as the "Science Building," one of the original buildings given to Penn State by Ogontz.

School-owner Abby Sutherland in 1950. For a time, it housed laboratories. More recently, it was the site of the campus Safety/Security Department and Army ROTC, both of which have been moved to other buildings.

The newly renovated facility will be used by both resident instruction and continuing education departments. The latter plans to make the center headquarters for local seminars for managers and for special interest courses for school teachers. The building also will provide additional classroom space for the evening school program.

Dr. Bursey

(Continued from page 1)

In 1969-70, he held a one-year National Institutes of Health post-doctoral fellowship at the University of Miami in Florida. He was affiliated with the university's School of Marine and Atmospheric Science.

He joined Penn State's Shenango Valley Campus as assistant professor of biology in 1970 and was promoted to associate professor in 1975. Dr. Bursey's research is chiefly on invertebrates, and he has published widely in that area.

Born in Minneapolis, he holds a bachelor's degree in botany with a minor in history from DePaul University in Greencastle, Ind. At DePaul, he was elected to Phi Beta Kappa and was captain of the football team.

His Ph.D. was conferred by the University of California at Davis, following research and study at both the Davis and Berkeley campuses.

During World War II, Dr. Oswald served in the U.S. Navy as a PT boat captain and a divisional commander in the Mediterranean. He received the Navy Commendation Medal.

Upon his release from active duty, he returned to the Davis Campus and began a career that included service in a number of academic and administrative posts at the Davis and Berkeley campuses. In 1953-54, he was a Fulbright research grantee at the Agricultural University of The Netherlands.

Dr. Oswald has been active in a number of national professional organizations over the years. He was formerly chairman of the American Council on Education and president of the Association of American Universities. He was also president of the Pennsylvania Association of Colleges and Universities.

In 1974, when the People's Republic of China was still closed to most Western visitors, he headed a delegation of 12 Penn State faculty members on a three-week study tour there.

Dr. Oswald and his wife, Rose, have two daughters and a son. Elizabeth, a 1968 graduate of Vassar College, is married to Michael Browne, Insurance Commissioner, Commonwealth of Pennsylvania. Nancy is a graduate of Stanford University, and John Jr., of Cornell.

Dr. Oswald said he hopes to devote time to his work in plant pathology and to do what he can to support higher education, following his retirement. He will move to Philadelphia, where he recently purchased a house, and will maintain an office at the Ogontz Campus.

In addition, the center will be made available for use by faculty members, professional organizations and community groups, Dr. Bernoff added.

An overview of the campus's 30-year history and growth and an update on educational programs at Ogontz also were part of Dr. Bernoff presentation. He cited Ogontz as a major supplier of upper division students to University Park and commended the quality of the campus's student activities program. He also said Ogontz has the largest evening school program — and the greatest number of off-campus credit centers and public seminars for business and industry in the Penn State system.

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Penn State Intercom

New courses of study added to undergraduate programs

New courses of study have been added to several University undergraduate programs.

Provost Eddy told Trustees that no additional funds are required because the new options have been created through revisions to existing programs.

"As the world's needs change, so do the needs and goals of our students," he said. "These new options are designed to meet some of those needs and goals with more precision."

One new area of specialization, an option in music history and literature, has been added to the major leading to a bachelor of music degree.

While graduates may find employment in music publishing and similar fields, Dr. Eddy said, the program is primarily intended to prepare students for graduate-level study and college-level teaching.

"This program will offer the musician-scholar a chance to begin acquiring skills necessary for musicological research," he said.

It will consist of 130 credits, including substantial requirements in music theory, music history and literature, keyboard performance and foreign languages.

Opportunity also is provided for research in areas of special interest in a three-credit seminar.

The major in geography leading to a bachelor of science degree has been revised to include a fourth option — planning and applied geography. Existing options are cartography and remote sensing, and physical and general geography.

Dr. Eddy said the new option is designed for students seeking positions in urban and regional planning, and especially for those interested in planning in the public sector. It will also prepare students for graduate study.

The major in geography leading to a bachelor of arts degree also has been revised. It now includes two specialty areas, a general option — the existing major, with minor changes — and an economic and development geography option.

The latter is designed for students who intend to pursue careers in business and industry in economically developed nations and for those interested in Third World development problems.

Dr. Eddy said the two options would

give students greater opportunity to specialize in their academic work.

The major in art education has been revised to include two areas of specialization: art education for schools, the program now in existence, and art education for cultural and social agencies, a new option.

The change is being made, Dr. Eddy said, to accommodate today's emphasis on visual arts education in museums, galleries, art centers and social agencies.

The major in agricultural business, leading to an associate in science degree has been revised to include three options: general, animal production and crop production.

"These options should meet the needs of students who want to farm and those who want training directly in agricultural business," Dr. Eddy added.

Students will continue to take the first three terms of the major at selected Commonwealth Campuses; the second year of course work will still be offered at University Park.

The 800-level courses required previously in the major, however, have been replaced with corresponding, existing baccalaureate courses, to eliminate course duplication and to make it easier for students who wish to continue baccalaureate study in the field.

The major in anthropology has been revised to include two areas of specialization, general anthropology, the existing major, and medical anthropology, a new option.

"The field of medical anthropology is the most rapidly growing sub-discipline in modern anthropology," Dr. Eddy observed.

He said the new option will prepare students for careers in local, state, federal and volunteer health agencies, and for graduate study.

Students will examine the relationships among culture, human biology and health. They will be able to study, and gain laboratory and field experience in, human biology, cultural anthropology, quantitative methods and health planning and administration.

Practicum internships will be offered at the Hershey Medical Center, the National Institutes of Neurological Diseases and Blindness, and the Environmental Health Division of the U.S. Environmental Protection Agency.

better and has been nominated by his or her coach as eligible for the award.

A committee made up of the dean of the College of Health, Physical Education and Recreation, the University's representatives to the NCAA and AIAW, head coaches from women's and men's teams and the director of Intercollegiate Athletics will select the recipients.

The award will consist of cash, an inscribed plaque, and inscription of the recipients' names on permanent plaques in Recreation Building and White Hall. Awards will be made from the income generated by the fund principal, and the selection committee will set the award amount.

Contributions to the fund may be made by interested persons or organizations.

(Continued on page 5)



The flower garden behind Boucke Bldg. provides a perfect setting for summer studying.

Graduate assistants standards among Faculty Senate highlights

Ensuring teaching standards for graduate assistants and defining the role of the academic adviser were among several highlights of 1980-81 for the University Faculty Senate.

In presenting the annual chairman's report of Senate activities to Trustees, Dr. George W. Franz, assistant professor of history at the Delaware County Campus, said that "to insure quality teaching from the University's graduate assistants, teaching assistants will henceforth be required to attend teacher training programs."

He added that their competence in the understanding and use of spoken English will be evaluated. Those deemed deficient will receive training at the University's Center for the Study of English as a Second Language.

Dr. Franz, 1980-81 Senate chairman, said five changes were made this year in academic policies and procedures with respect to academic advising.

"The role of the adviser," he noted, "is defined as 'consultative in nature,' and the responsibility for deciding on course scheduling and program planning is placed with the student."

Other key activities during the past year included:

- Legislative action establishing procedures for Senate Council's recommendations to Provost Eddy on the establishment, reorganization and discontinuation of organizational units and areas;

- Legislative action modifying two areas of PS-23.

- A discussion of conversion from the term to an early semester calendar in Fall Term, 1983. During this discussion, reports were presented by representatives of 10 Senate committees which had

considered the effects of calendar conversion in their areas of responsibility.

"It is important to note," Dr. Franz said, "that the Senate's lengthy discussion of the conversion to an early semester calendar was the result of much study and input from many of the University's faculty members. As such, it played a significant role in assisting the University administration in planning for the calendar conversion."

Dr. Franz added that such discussion and input is characteristic of the Senate in all of its various activities, which included 12 legislative and 30 informational reports this past year.

"The Faculty Senate does much more than meet once a month," he explained. "For example, some committees — which seldom become involved in the monthly Senate meetings — work continuously behind the scenes."

Dr. Franz observed that two such committees are those on Academic and Athletic Standards, and Admissions, Records and Scheduling, both of which, he said, act to address the needs of students while considering the University's rules and regulations.

Other committees which add to the Senate's vitality, he noted, are the Faculty Rights and Responsibilities Committee and the Faculty Advisory Committee to the President.

"As exemplified by the work of these — and all 13 — Senate committees, the Senate has made progress this year in effectively exercising its advisory and consultative responsibilities," Dr. Franz said.

"The Senate's primary concern is helping to assure that academic quality be maintained and strengthened throughout the University."

News in Brief

McCoy Award set up

The Ernest B. McCoy Memorial Award has been established at the University to recognize a senior man and woman who have combined athletic participation with academic excellence.

The initial principal of the fund was received as gifts from friends, colleagues and family in memory of the late Dr. McCoy, dean of the College of Health, Physical Education and Recreation from 1952 to 1970.

Any graduating senior who actively participates in intercollegiate sports, has a cumulative grade point average of 3.0 or

Penn Staters

Dr. Richard C. Bradt, professor of ceramic science and engineering and head of the Department of Materials Science and Engineering, presented the introductory lecture at Science of Ceramics XI, a biennial European ceramics meeting held recently at Stenungsund, Sweden, under the sponsorship of the Swedish Ceramic Association.

The topic of his talk was "Problems and Possibilities with Cracks in Ceramics." Presented at the same meeting was a paper, "Creep of Silicon Carbide," co-written by Dr. Bradt and Dr. Leif Hermansson, of the Swedish Institute for Silicate Research, who has done postdoctoral work at Penn State.

While in Sweden, Dr. Bradt also visited and presented seminars at Chalmers University of Technology and the Swedish Institute for Silicate Research, both in Göteborg.

Recognized internationally for his work in the fracture mechanics of ceramic materials, Dr. Bradt received a 1980 Richard M. Fulrath Award for his studies of the relationship between the structure and mechanical behavior of ceramic materials. This award is given annually to one U.S. and three Japanese ceramic scientists.

Earlier this year, Dr. Bradt presented the keynote lecture at the 15th Basic Ceramics Meeting of the Japanese Ceramic Society at Nagoya, Japan. Earlier this month (July 15-17), he served as local coordinator for the International Symposium on the Fracture Mechanics of Glass, held this year at Penn State.

Dr. Ronald A. Chez, professor and chairman of the Department of Obstetrics and Gynecology at the Hershey Medical Center, has been named by Gov. Thornburgh to the Task Force on Special Supplemental Food Programs for Women, Infants and Children.

Dr. Laurence M. Demers, director of the Clinical Chemistry and Core Endocrine Laboratory at the Hershey Medical Center, has been awarded a Senior International Fellowship from the Fogarty International Center of the National Institutes of Health to study at Oxford in reproductive endocrinology.

Dr. John A. Dutton, professor of meteorology, has been appointed a member of the Committee on Atmospheric Sciences of the National Research Council, the operating agency of the National Academies of Science and Engineering.

The committee reviews the progress and development of national programs in the atmospheric sciences.

Dr. Turgay Ertekin, assistant professor of petroleum and natural gas engineering, was invited lecturer at the Colloquium on Methods of Heavy Oil Recovery in Caracas, Venezuela. The colloquium was sponsored by the University of Simon Bolivar and Venezuela Petroleum Technology Institute. Dr. Ertekin presented a series of lectures on non-thermal enhanced oil recovery research and compositional simulation of flow problems in porous media.

Dr. Peter R. Gould, professor of geography, presented seminars to the Department of Design of the Open University at Milton Keynes, England; to the Geographical Institute at Lisbon University in Portugal; and to the Department of Geography at Cambridge University in England.

H. Richard Hess, associate director of the Career Development and Placement Center, has been elected to a three-year term on the Board of Governors of the National College Placement Council. He will serve as the council's college representative from the Middle Atlantic Placement Association.

Dr. Charles A. Langston, assistant professor of geophysics, will receive ARCO Oil and Gas Company Outstanding Junior Faculty Award.

He is one of 20 young faculty members at as many of different universities who will receive this honor for the 1981-82 academic year.

Dr. Randolph J. Martin, associate professor of geophysics, has received the Boston College Alumni Association's Award for Excellence in recognition of his outstanding work in the field of geophysics.

He received his B.S. in geology at Boston College in 1964 and his M.S. and Ph.D. from Massachusetts Institute of Technology in 1968 and 1971, respectively. He served as a research associate at the University of Colorado, leaving there in 1978 to join the Penn State faculty. His current research focuses on the geophysical properties of rocks under crustal conditions.

Dr. Lloyd A. Morley, professor of mining engineering, has been elected a senior member of the Institute of Electrical and Electronics Engineers (IEEE). Only about 12 percent of the 200,000 members of IEEE have been accorded this honor. Dr. Morley is currently vice president of the society's Process Industry Department and chairman of the IEEE Second Mining Industry Technical Conference.

Dr. L.N. Mulay, professor of solid state science, presented a plenary lecture at a symposium on "Current Trends in Magnetism" in Delhi, India. Previously, he gave an invited lecture to the chemistry section of the 66th Indian Science Congress in Hyderabad, India.

Dr. Dennis J. Murphy, Extension safety specialist, has been named recipient of the Maynard Cole Award presented by the National Institute for Farm Safety "for his excellence in the field of agricultural safety."

The award is based on Dr. Murphy's farm safety research, "Relationships of Attitudes Toward Farm Safety Concepts and Farm Accident Involvement," which examined social and psychological aspects of agricultural safety.

Dr. G. Kenneth Nelson, professor of accounting, has been selected by the National Advisory Forum of Beta Alpha Psi to receive the society's 1981 Accountant of the Year Award.

The award was established to encourage chapters of Beta Alpha Psi, the national accounting honorary society, to honor their own outstanding accounting alumni members or honorary members in the areas of education, public accounting, and industrial or governmental accounting.

Dr. Nelson was graduated from the University of Pennsylvania with a bachelor's degree in accounting. He received a master's degree and his doctorate from the University of Illinois. He gained his CPA certification in Illinois.

He joined the Penn State faculty in 1950. From 1958 to 1976, he served as head of the Department of Accounting and Management Information Systems.

Dr. Robert D. Pashek, associate dean of the College of Business Administration and acting director of the Pennsylvania Transportation Institute, has been elected president of the Council of University Transportation Centers.

The Council is an association of the major transportation research institutes in the United States. Its members, in addition to Penn State, are MIT, University of California at Berkeley, Northwestern University, Texas A&M University, University of Texas—Austin,

University of North Carolina, and the University of Tennessee.

Associate members include the University of Pennsylvania, University of Kentucky, Oregon State University, University of Illinois Consortium, and the University of Virginia.

Richard Porter, registrar at the Museum of Art, has been elected national vice-chairman of the Registrars' Committee of the American Association of Museums (AAM).

He also serves on the Steering Committee of the recently formed Association of University and College Museums and Galleries as corresponding secretary. In this position, he will edit the final drafts of the Association's constitution and bylaws which he helped to prepare.

Dr. Stephen G. Simpson, associate professor of mathematics, recently returned from a month as visiting professor at the University of Paris, where he participated in research and gave a series of lectures titled "Independence Results in Finite Combinatorics." His visit was sponsored under a program funded by the French national science foundation.

Dr. Susan F. Weis, associate professor of home economics education, has been elected vice chairman of the Pennsylvania Advisory Council on Vocational Education. The council was established by federal legislation to review vocational education programs in the State, to identify problems and needs, and to make recommendations for improvement to the State Board of Education and the Department of Education. It is composed of representatives of business, industry, organized labor, education and the general public.

Dr. Joseph L. Wysocki, Extension family housing specialist, has been elected president-elect of the American Association of Housing Educators. In this role, he will serve as program chairman for the 1982 annual meeting to be held in Knoxville, Tennessee, at the same time as the World Energy Exposition.

Carpooler

Arthur Kunst would like to share driving from DuBois. He works from 8 a.m. to 5 p.m. in Hammond Building. Call either 863-2354 or 371-2945.

Ernest R. Weidhaas receives award

Ernest R. Weidhaas, assistant dean for Commonwealth Campuses in the College of Engineering, has been awarded the 1981 James H. McGraw Award in Engineering Technology Education.

Dean Weidhaas, the 32nd recipient of the award, was presented a citation and a cash gift at the 1981 annual meeting of the American Society for Engineering Education in San Francisco, June 21-25. He is the fourth Penn State to receive the award. The other recipients were: Harry Hammond, former dean of the College of Engineering, 1950; Kenneth Holderman, presently a member of the University's Board of Trustees, 1960; and Merritt A. Williamson, former dean of the College of Engineering, 1974.

The James H. McGraw Award in Engineering Technology is awarded to individuals for their outstanding contributions to the advancement of engineering technology education. The award is sponsored by the Gregg Division of the McGraw-Hill Book Company.

Dean Weidhaas helped to establish the Beaver, Delaware County, Fayette, Capitol and Shenango Valley Campuses. He has directed 12 associate degree programs at 18 campuses and has been



Dean Ernest R. Weidhaas

instrumental in establishing six new associate and five new baccalaureate programs, including innovative curricula in air pollution control, bio-medical equipment technology, nuclear engineering technology, solar heating and cooling technology, and most recently, railway engineering technology and telecommunications technology.

A frequent contributor to professional journals, Dean Weidhaas is the author of nine popular textbooks on architectural drafting and design, and numerous articles and workbooks. He holds B.S. and M.S. degrees in mechanical engineering from New York University.

Three honored for 'educational aids'

Three agricultural engineering specialists in the Cooperative Extension Service have received blue ribbon awards from the American Society of Agricultural Engineers "for development of noteworthy educational aids."

Recipients and awards, announced during the society's recent annual meeting in Orlando, Fla., are:

— **Dr. Dennis J. Murphy**, assistant professor of agricultural engineering extension, awards for three fire safety education publications — "Basic Guide Book," "Fire Protection in Your Community" and "Preventing Fires";

— **N. Henry Wooding Jr.**, professor of agricultural engineering extension, a blue ribbon for his publication, "Wastewater Management and Disposal for Milking Centers and Milk Handling Facilities"; and

— **James W. Garthe**, instructor in agricultural engineering extension, a blue ribbon for his slide set, "Alcohol Fuel Production: There's More to it Than You Think."

The competition is designed to

encourage specialists to strive for excellence in Extension activities through the interchange of ideas on successful educational methods and teaching techniques. The American Society of Agricultural Engineers, a professional and educational organization, includes more than 9,000 members from all 50 states and some 90 foreign countries.

INTERCOM is an internal communications medium published weekly during the four terms of the class schedule and bi-weekly during the Summer Term for the faculty and staff of The Pennsylvania State University.

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Retirements

James D. Decker, associate professor of mechanical engineering, retired June 30, after 33 years with the University. He came to Penn State in 1948 as an instructor of mechanical engineering.

Prof. Decker—who earned his B.S. and M.S. degrees from the University of Michigan—has taught undergraduate courses in thermodynamics, fluid mechanics, heat transfer, gas dynamics, gas turbines, and rocket propulsion. His research interests include spot cooling, and controlled atmosphere combustion.

Besides his research and teaching duties, he has been active in a number of University, College and Department committees. He served three years on the Faculty Senate, was chairman of the Academic Engineering Department curriculum committee, the Engineering Library committee, and the College Academic Committee for the BDR II requirements.

Prof. Decker has been an engineering extension lecturer on rocket propulsion at

James A. Lauck, research machinist in engineering shop services, will retire from the University Sept. 2 after 29 years of service.

Mr. Lauck began working in engineering shop services in September, 1952. The engineering shop in Hammond carries out the mechanical work necessary for various research projects sponsored by colleges and departments throughout the University.

Mr. Lauck remembers, in particular, a project he worked on with a team of mechanical engineering students who designed and built a compact car, named "Uv Duck," which placed 14th out of 60 entries in the 1972 Urban Vehicle Design competition held in Ann Arbor, Mich.

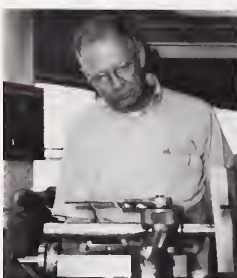
Although Mr. Lauck has been at Penn State for 29 years, one member of his family has outdone him in service to the University. His wife, Inez, a transcript supervisor at the Records Office in Shields Building, retired from the University July 1; she had been with the University



James D. Decker

Curtiss-Wright and on gas turbines at AVCO-Lycoming. He has been a consultant for Consumers' Research, Inc., Allegheny Valve Co., Ervite Corp., and HRB-Singer.

He served as president of the University Park section of the American Rocket Society and was chairman of the Central Pennsylvania Section of the American Society of Mechanical Engineers. He is a member of Tau Beta Pi and Pi Tau Sigma.



James A. Lauck

for 35 years.

Mr. and Mrs. Lauck will remain in their home in Pine Grove Mills, where Mr. Lauck plans to do a lot of lawn mowing this summer. The couple plans to take a winter vacation in Pompano Beach, Fla.

who led the UMW from 1973 to 1979, initiated many reforms aimed at returning control of the union to rank-and-file miners.

Based on UMW papers, interviews with union staff and press conferences, *The Miners' Fight for Democracy* is an account of the early idealism of Miller's administration, the steps taken against the corruption of earlier administrations and organizational changes to allow mine workers a say in the running of the union and the bargaining process. The book also describes some of the problems that accompanied the changes—several long nation-wide strikes, an epidemic of wildcat strikes and political factionalism.

Mr. Clark, who is responsible for Penn State's labor education activities in western Pennsylvania, served as a research assistant for the UMW. He holds a master's degree from the IRL school at Cornell.

who did not receive a copy of the annual report may obtain one by contacting the Employee Benefits Division, Room 133 Willard Building (865-1473).

Graduate Circle mail must go through USPS

Mailing Services reminds everyone that Graduate Circle is not a part of the Interdepartmental Mail system operating on campus. Graduate Circle mail can only be delivered through the United States Postal Service. It should bear the proper postage and be addressed as follows:

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Promotions

Administrative

Kenneth S. Babe to assistant vice president—audits and internal control in Controller's Office.

Staff Exempt

R. Donald Adam to budget administration coordinator in Planning and Budget.

Charles H. Bush Jr. to maintenance foreman at Schuylkill.

Thomas C. Coleman to assistant director—continuing education at Beaver.

Evelyn F. Homan to senior information planning specialist in Planning and Budget.

Rita Munchinski to administrative assistant in Liberal Arts.

Donna L. Poorman to area representative in Continuing Education.

Richard D. Sheedert to senior research and planning associate in Planning and Budget.

Don E. Stewart to laboratory supervisor in Science.

Staff Non-Exempt

Laurel J. Compton to research technician at Hershey.

Michael A. Davis to research aide in Agriculture.

Thomas E. Herrington to computer operator in Management Services.

Angela MacMillan to coordinator, laboratory support services at Hershey.

Cynthia K. Nafe to research technician at Hershey.

Clerical

Sandra E. Andrews to secretary B in Agriculture.

Karen A. Bratton to information processing clerk in Libraries.

Jane M. Cross to senior teller in Controller's Office.

Susan Donley to secretary B in Housing and Food Services.

Patricia J. Gearhart to teller in Controller's Office.

Wava A. Grove to accounting clerk in Controller's Office.

Thelma Heffner to film scheduler in Continuing Education.

Carol A. Helt to secretary A at Hershey.

Marlene M. Hopkins to secretary B—continuing education at Shenango Valley.

Kathy M. Kleinfelter to clerk A, central processing at Hershey.

Shirley A. Marks to secretary B at Hershey.

Judy K. McCormick to secretary A in Agriculture.

Lisa Meyers to secretary C in Human Development.

V. Diane Mullen to registration clerk in Continuing Education.

Karen G. Penland to clerk typist A in Engineering.

Shirley A. Raker to secretary B in Public Information.

Maxine L. Reif to clerk A, central processing at Hershey.

Paulette A. Schall to data preparation operator B in Management Services.

Darlene Stiles to accounting clerk at Schuylkill.

Suanne J. Warner to secretary C in Education.

Teresa A. Wilson to clerk typist A in Education.

Technical Service

Samuel C. Emigh to storeroom clerk—stock selector in Business Services.

Appointments

Roger J. Cadieux as assistant professor of psychiatry at Hershey. B.S., Northwestern (La.) State U.; M.D., Louisiana State U. Resident in Psychiatry, Hershey.

Ernest K. Manders as assistant professor of surgery at Hershey. A.B., Harvard College; M.D., Harvard Medical School; general and plastic surgery residencies, U. of Michigan Affiliated Hospital. Resident in plastic surgery, University Hospital, Ann Arbor, Mich.

John F. Mitchell as assistant professor of

psychiatry at Hershey. M.D., Creighton Medical School, Omaha, Neb. Resident in Psychiatry, Hershey. Staff physician, Sexual Dysfunctions Clinic, Hershey.

Steven H. Sherman as assistant professor of surgery (ophthalmology) at Hershey. B.A., Boston U.; M.D., U. of Vermont. Resident in neurology, Albert Einstein College of Medicine. Private practice, retina and vitreous surgery, Freehold, N.J.

Joseph S. Smith as assistant professor of food science at University Park. B.S., Brescia College, M.S., Kansas State U.; Ph.D., PSU. Graduate assistant, PSU.

Obituaries

Dr. Walter S. Beach, professor emeritus of botany, died July 19 in Florida. He was 91.

Dr. Beach, who joined the Penn State faculty in 1918, retired in 1955. He held a B.S. in agriculture from the University of Minnesota, M.S. in plant pathology from Michigan State College, and a Ph.D. in botany from the University of Illinois.

Dr. Grant W. Smith, professor emeritus of chemistry, died July 19 at his home in State College. He was 74.

Dr. Smith, who retired in 1967, received the B.A. degree from Grinnell College and the Ph.D. from the University of Minnesota. Prior to joining the University faculty in 1950, he served on the faculties of Itasca Junior College, Grinnell College, University of Kansas City, and the University of North Dakota. While employed by B. F. Goodrich, Dr. Smith was awarded five patents in the area of polyvinyl latex.

Staff Development

Twenty University clerical employees from the Capitol and Mont Alto Campuses completed a special two-week Clerical Enrichment program. This was the first time the program was offered to branch

campus personnel. Designed to familiarize clerical employees with University policy and organization, to identify work situation problem areas in the office, and to begin the initial stages of professional office training and preparation for career development, the

(Continued on page 6)

Book shelf

Paul F. Clark, instructor in the Department of Labor Studies, is the author of a book to be published in August by IRL Publications, a division of the New York State School of Industrial and Labor Relations at Cornell University.

In his book, *The Miners' Fight for Democracy: Arnold Miller and the Reform of the United Mine Workers*, Mr. Clark outlines the progress of a reform drive during the 1970s in the United Mine Workers (UMW) union.

The reform movement of which Mr. Clark writes was launched by a group within the UMW, the Miners for Democracy (MFD), after the murder of union leader Jack Yablonski. In 1972, MFD candidate Arnold Miller unseated UMW president Tony Boyle, then under grand jury indictment. Miller, a disabled miner

Faculty/Staff Alerts

Social Security numbers needed to process claims

A copy of the 1980 State Employees' Retirement System annual report was mailed recently to all faculty and staff members who are members of that retirement system.

Any employee on leave of absence or layoff should contact his or her supervisor upon return to employment to secure a copy. Other faculty and staff members

University Park Calendar

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

July 23-August 9

Special Events

Thursday, July 23

Festival Theatre, Ernest Thompson, *On Golden Pond*, 8 p.m., The Pavilion Theatre.
GSA Explazagana Film, *The Graduate* (Dustin Hoffman, Katherine Ross, Anne Bancroft), dusk, Fisher Plaza.

Friday, July 24

Commonplace Theatre, *Foxes*, 7:30 p.m.; *The Rose*, 9:20 p.m., Room 112 Kern.
Festival Theatre, Ernest Thompson, *On Golden Pond*, 8 p.m., The Pavilion Theatre.
HUB Movie, *Dial M for Murder*, 9:30 p.m., HUB Lawn.
Interlana Folk Dancing, 7:30 p.m., HUB Ballroom.

Saturday, July 25

France-Cinema, *Weir, Picnic at Hanging Rock*, 7 and 9 p.m., Room 112 Kern.
Nittany Mountain Summer Festival, Mid Tolls, 7:15 and 9:30 p.m., Eisenhower Auditorium.
Festival Theatre, Ernest Thompson, *On Golden Pond*, 8 p.m., The Pavilion Theatre.

Sunday, July 26

Commonplace Theatre, *Foxes*, 7:30 p.m.; *The Rose*, 9:20 p.m., Room 112 Kern.
Festival Theatre, Ernest Thompson, *On Golden Pond*, 7:30 p.m., The Pavilion Theatre.

Monday, July 27

Deadline for August graduates to deliver theses to Graduate School and for departments to certify to Graduate School completion of required papers for August graduates.
France-Cinema, *Weir, Picnic at Hanging Rock*, 7 and 9 p.m., Room 112 Kern.

Tuesday, July 28

First day to sign Fall Term NDSL and University Long Term Loans, Room 108 Shields.
Festival Theatre, Ernest Thompson, *On Golden Pond*, 8 p.m., The Pavilion Theatre.
Aging Workshop — "Physical Changes of Aging," 7-8 p.m., Nursing Consultation Center, Human Development South. Coordinator: Dr. Jesse Igou, assistant professor of nursing. Registration and information, 863-2200 or 863-2225. Open to public.

Wednesday, July 29

GSA Explazagana Concert, The Arthur Goldstein Jazz Trio, 7 p.m., Fisher Plaza.
Commons Concert, Whetstone Run, noon, Kern Lobby.
Shaver's Creek Environmental Center, reptile and amphibian program, 6-7 p.m., Spring Creek Park.
Festival Theatre, Ernest Thompson, *On Golden Pond*, 8 p.m., The Pavilion Theatre.

Thursday, July 30

Festival Theatre, Ernest Thompson, *On Golden Pond*, 8 p.m., The Pavilion Theatre; Jacobs/Casey, *Gracie*, 8 p.m., The Playhouse.
GSA Explazagana Film, Warner Brothers Animation and W.C. Fields shorts, dusk, Fisher Plaza.
Aging Workshop — "Social Aspects of Aging," 7-8 p.m., Nursing Consultation Center, Human Development South. Coordinator: Dr. Jesse Igou, assistant professor of nursing. Registration and information, 863-2200 and 863-2225.
Nursing Consultation Center, "Learning to Relax" series, first session, 3:30-5 p.m. Registration and information, 863-2200. Series continues August 6, 13 and 27, 3:30-4:30 p.m.

Friday, July 31

Commonplace Theatre, *Take the Money and Run*, 7:30 p.m.; *Network*, 9 p.m., Room 112 Kern.
HUB Movie, *Evening with Stan Trek*, 9:30 p.m., HUB Lawn.
Festival Theatre, Ernest Thompson, *On Golden Pond*, 8 p.m., The Pavilion Theatre; Jacobs/Casey, *Gracie*, 8 p.m., The Playhouse.
Interlana Folk Dancing, 7:30 p.m., HUB Ballroom.

Saturday, August 1

France-Cinema, Bertolucci, *Last Tango in Paris*, 7 and 9 p.m., Room 112 Kern.
Festival Theatre, Ernest Thompson, *On Golden Pond*, 8 p.m., The Pavilion Theatre; Jacobs/Casey, *Gracie*, 8 p.m., The Playhouse.
Shaver's Creek Environmental Center, Traditional Folk Music Festival with Caroline and Sandy Paton of Folk Legacy Records. 2 p.m. — Children's get-together (free) at Shaver's Creek, 8 p.m. — Family Concert at University Baptist & Brethren Church.

Sunday, August 2

Festival Theatre, Ernest Thompson, *On Golden Pond*, 7:30 p.m., The Pavilion Theatre; Jacobs/Casey, *Gracie*, 7:30 p.m., The Playhouse.
Commonplace Theatre, *Take the Money and*

Run, 7:30 p.m.; *Network*, 9 p.m., Room 112 Kern.

Monday, August 3

France-Cinema, Bertolucci, *Last Tango in Paris*, 7 and 9 p.m., Room 112 Kern.
Interdisciplinary Values Symposium, 7:30 p.m., Room 101 Kern.

Tuesday, August 4

Late drop deadline (10 week Summer Term). Red Cross Bloodmobile, 10 a.m.-4 p.m., Walnut Bldg.
Phi Delta Kappa Summer Seminar Series, 2:20 p.m., Room 101 Kern. Robert Schell, global education, Pa. Dept. of Ed., on "Wiping Out Boundary Lines: Global Education."
Festival Theatre, Ernest Thompson, *On Golden Pond*, 8 p.m., The Pavilion Theatre; Jacobs/Casey, *Gracie*, 8 p.m., The Playhouse.
Aging Workshop — "Psychological Aspects of Aging," 7-8 p.m., Nursing Consultation Center, Human Development South. Coordinator: Dr. Jesse Igou, assistant professor of nursing. Registration and information, 863-2200 or 863-2225. Open to public.

Wednesday, August 5

Last day to sign Summer NDSL and University Long Term Loans, Room 108 Shields.
GSA Explazagana Concert, The Hipsters, 7 p.m., Fisher Plaza.
Commons Concert, noon, Kern Lobby.
Festival Theatre, Ernest Thompson, *On Golden Pond*, 8 p.m., The Pavilion Theatre; Jacobs/Casey, *Gracie*, 8 p.m., The Playhouse.

Thursday, August 6

GSA Explazagana Film, *Bad Day at Black Rock*, (Spencer Tracy, Lee Marvin), dusk, Fisher Plaza.
Festival Theatre, Ernest Thompson, *On Golden Pond*, 8 p.m., The Pavilion Theatre; Jacobs/Casey, *Gracie*, 8 p.m., The Playhouse.
Aging Workshop — "Aging and the Environment," 7-8 p.m., Nursing Consultation Center, Human Development South. Coordinator: Dr. Jesse Igou, assistant professor of nursing. Registration and information, 863-2200 or 863-2225.
Nursing Consultation Center, "Learning to Relax" series, second meeting, 3:30-4:30 p.m.

Friday, August 7

Commonplace Theatre, *Kentucky Fried Movie*, 7:30 p.m.; *All That Jazz*, 9:15 p.m., Room 112 Kern.
HUB Movie, *The Odessa File*, 9:30 p.m., HUB Lawn.
Festival Theatre, Ernest Thompson, *On Golden Pond*, 8 p.m., The Pavilion Theatre; Jacobs/

Casey, *Gracie*, 8 p.m., The Playhouse.
Interlana Folk Dancing, 7:30 p.m., HUB Ballroom.

Saturday, August 8

France-Cinema, Fellini, *Amarcord*, 7 and 9 p.m., Room 112 Kern.
Festival Theatre, Ernest Thompson, *On Golden Pond*, 8 p.m., The Pavilion Theatre; Jacobs/Casey, *Gracie*, 8 p.m., The Playhouse.

Sunday, August 9

Commonplace Theatre, *Kentucky Fried Movie*, 7:30 p.m.; *All That Jazz*, 9:15 p.m., Room 112 Kern.
Festival Theatre, Ernest Thompson, *On Golden Pond*, 7:30 p.m., The Pavilion Theatre; Jacobs/Casey, *Gracie*, 7:30 p.m., The Playhouse.
Shaver's Creek Environmental Center, Wildflower Walk, 2-4 p.m., Stone Valley.

Exhibits

Chambers Gallery: open Monday through Friday, 8 a.m.-5 p.m. Mark Ruyak, drawings and weavings, open July 27.

Kern Gallery: open Monday through Friday, 8 a.m.-11 p.m.; Sunday, noon-11 p.m. CPFA glass invitational, through July 30. Frances Vernard, retrospective exhibition, opens July 28.

Museum of Art: open 11 a.m.-4:30 p.m. Closed Mondays. Tours, Sundays, 1:30 p.m. Twentieth-century works from the Museum's collection, through July 26. Drawings and prints from the Museum's collection, "Hemline, Neckline, Streamline: Women's Fashions 1890-1940" from the collection of Beverly Birks. CPFA Juned Crafts exhibit. African sculpture from the Museum's collection, opens August 1.

Pattee Library: Paul Matthews, paintings, through July 29; Diane Cissell, recent work, opens August 1. East Corridor Lobby. Beverly Laverdier, paintings, through July 29; Michael Lucas, drawings, opens July 29. Lending Services Lobby. Carol Treat, ceramics, through July 27. Bonnie Deutsch, Helen Newhard and Elaine Stone, jewelry, opens July 27. Main Lobby. Martha Carothers, "The Design and Production of Children's Novelty Books," Rare Books Room.

Visual Arts Zoller Gallery: open 11 a.m.-4:30 p.m. Closed Mondays. Lannie Somese, posters, through August 1.

From the Press

The Development of Plato's Metaphysics. By Henry Teloh. 256 pages, \$18.75.

Plato is a much more experimental philosopher, this book argues, than most commentators acknowledge. Supporting this position, Henry Teloh combines exegesis of particular passages with a synoptic view of Plato's philosophical development through his early, middle and late dialogues. The result is a study of Plato's ideas with a more ambitious scope than any since W.D. Ross in 1951.

The book chronicles Plato's changing interests through a focus on his ontological commitments — that is, on the types of entities he addresses. It also traces many of the assumptions in Plato's thought back to their sources in pre-Socratic philosophy. By depicting the changes in Plato's thought from one period of dialogue composition to another, and by seeking to explain these changes from textual evidence, this book offers an appealing introduction to Plato for all humanists.

Dr. Teloh is a member of the philosophy faculty at Vanderbilt University, whose Research Council awarded him two grants for work on this book.

Samuel Butler Revalued. By Thomas L. Jeffers. 146 pages. \$12.00

This book is a first essay in reassessment and rediscovery: there has been no rigorously comprehensive study of Butler in over a generation. It is also an essay in

comparative criticism, which places Butler between his early 20th-century heirs and his 18th-century precursors.

While Butler is remembered chiefly as a novelist, he defies generic classification. With a lucidity and elegance that singularly bet the author of *The Way Of All Flesh*, Dr. Jeffers leads the reader to comprehend Butler in all his facets: as theologian, moralist, and educationist. Butler was a writer who, with remarkable success not only in the Portraits saga and *Erewhon*, but also in *The Fair Haven*, *Life and Habit* and *The Notebooks*, addressed himself to matters of enduring relevance.

Dr. Jeffers, the author of numerous essays on 19th-century literary figures, teaches English at Cornell University.

Shaw and Religion, Volume 1, Shaw, The Annual of Bernard Shaw Studies. Charles A. Best, editor. 256 pages. \$15.95.

The Shaw Review has assumed a book format, under its general editor, Dr. Stanley Weintraub, research professor of English and director of the Institute for the Arts and Humanistic Studies. The first volume is devoted to Shaw's religious views, which are seminal to his thought and central to a full understanding of his writings. Warren S. Smith, professor emeritus of general education in the arts, has authored one of the articles, "The Adventures of Shaw, the Nun, and the Black Girl."

The new format doubles the number of pages available for articles. Some annual volumes will be devoted to single themes, but special service departments will be continued.



Anne Edwards



Robert Donley

Festival's 'On Golden Pond' opens tonight

A summer vacation worth remembering comes to the Pavilion stage when *On Golden Pond* opens tonight. The Ernest Thompson comedy, voted Best Play of the 1979-1980 season, focuses on Norman and Ethel Thayer in their 48th summer on Golden Pond, Maine.

Bob Leonard directs the Festival Theatre production, which features two Equity newcomers, Robert Donley as Norman and Anne Edwards as Ethel. Among Mr. Donley's numerous credits (radio, television, and stage) are Broadway appearances in *Anna Christie* with Liv Ullmann and *The Visit* with the Lunts. Ms. Edwards has a variety of stage and television experience, including Broadway performances in *What Every Woman Knows* with Helen Hayes and *Mrs. Patterson* with Eartha Kitt.

On Golden Pond is a combination of witty

dialogue, warmth, and honesty that turns a story of ordinary people and everyday life into a play of substance and feeling. The show continues through Aug. 9 in the Pavilion.

As *On Golden Pond* opens, the last stages of rehearsal are underway for Festival's final offering, *Gracie*. David H. Bell, who has worked extensively throughout the United States, makes his first visit to State College as director and choreographer of this 1950s-style musical. Much of Mr. Bell's cast comes to *Gracie* directly from the Festival Theatre production of *Once Upon a Mattress*. Among others, Equity performers Pamela Bierly and Lee Lohendorf move into the Rydell High Class of '59 as Betty Rizzo and Danny Zuko. *Gracie* opens in the Playhouse on July 30 and runs through Aug. 16.

News in Brief

(Continued from page 1)

Peter Bennett new head in Marketing Department

Dr. Peter D. Bennett, professor of marketing, has been named head of the Department of Marketing in the College of Business Administration.

Dr. David T. Wilson, who has served as department head for the past three years, resigned the post, effective July 1, to return to full-time teaching and research activities.

Dr. Bennett's major research interests center on problems of international marketing and consumer behavior. His book, *Consumer Behavior*, written with Dr. H.H. Kassarian, has been translated into several languages.

A recipient of the bachelor's, master's and doctoral degrees from the University of Texas, Dr. Bennett has been a visiting researcher at the School of Business of the University of Chile and was distinguished visiting professor at the University of Texas for Fall Term, 1978.

Dr. Bennett, who joined the faculty in 1964, previously served as department head for seven years.

Fall Term registration dates are announced

Registration dates for Fall Term 1981 are: **Early Registration**, Aug. 17-21; **Registration**, Sept. 3-4; **Late Registration**, Sept. 17; **Drop Deadline**, Sept. 28; **Pass-Fail**, Sept. 24, 25 and 28; **Course Repeat**, Sept. 28; **Preregistration**, Sept. 28; **Preregistration** (for Winter Term 1982), Sept. 28; and **Late Drop Deadline**, Nov. 2.

The last day of Fall Term classes is Monday, Nov. 16, and Fall Term 1981 Commencement is scheduled for Saturday, Nov. 28.

W. Herbert Schmidt assumes new position

W. Herbert Schmidt has been named director of athletic operations, a newly created position in the Department of Intercollegiate Athletics.

In this new position, Mr. Schmidt will be responsible for the business and management operations for intercollegiate athletics and for the supervisory areas of joint services between athletics and the College of Health, Physical Education and Recreation. He also will be responsible for activities that include the use and management of athletic facilities and all business-related areas such as event management, trip planning, purchasing and ticket operations.

For the last seven years, Mr. Schmidt has served as an assistant professor and assistant to the Dean of the College of Health, Physical Education and Recreation. He will retain his title of assistant to the Dean to reflect his continuing duties in the College of Health, Physical Education and Recreation, as well as responsibilities in areas of joint services between the College and Intercollegiate Athletics.

'Learning to Relax' sessions to be offered

The Nursing Consultation Center at the University will offer four sessions on "Learning to Relax" in July and August.

Instruction in supervised use of relaxation techniques will be presented. All interested persons are invited to participate.

All sessions will be on Thursdays. The first is scheduled for July 30 from 3:30 p.m. to 5 p.m. Following meetings will take place August 6, 13 and 27 from 3:30 p.m. to 4:30 p.m.

A second four-week "Learning to Relax" series will be offered August 20 and 27 and Sept. 3 and 17. The August 20 session will be from 7 p.m. to 8:30 p.m., and the following three meetings will be

from 7 p.m. to 8 p.m.

The registration deadline is the day before the first session begins. Registration and other information may be obtained by calling the Nursing Consultation Center at 863-2200. Sessions may be cancelled if enrollment is low.

Walter R. Freytag named to ARL post

Dr. Walter R. Freytag has been appointed director of personnel and research associate for the Applied Research Laboratory, effective June 1, 1981. In this position, he has responsibility for all personnel matters at ARL. Since January of 1978, he had served as associate personnel director for the Laboratory.

Dr. Freytag graduated cum laude in 1971 from Brooklyn College of the City University of New York and received his M.S. degree in psychology from Kennesaw Polytechnic Institute. Recently, he completed his Ph.D. in psychology at Penn State. His doctoral research addressed the area of innovation of scientists and engineers engaged in research and development.

Five football games are already sellouts

Five of the Nittany Lions' six home football games for the 1981 season have been sold out. The only home game for which tickets remain is the season opener against the University of Cincinnati on Sept. 12.

According to Bud Meredith, athletic ticket manager, a record number of public season tickets — \$5,000 — have been sold for the 1981 season, surpassing last year's record of 30,500.

College of Education presents alumni award

John E. Bower Jr. of Brookville, director of special education at Clarion Manor Intermediate Unit Six in Shippenville, has received the "Excellence in Education Award" from the College of Education Alumni Association.

Award recipients are chosen for their ability to deal with students and fellow professionals, for their high level of community involvement and for a positive reputation among teachers, administrators, students and members of the community.

A 1946 graduate of Penn State with an M.Ed. degree, Mr. Bower earned his B.S. Ed. degree from Bloomsburg State College in 1939. He also did post graduate work at Duke University.

Stewart-Swanger Scholarship established

A Stewart-Swanger Memorial Scholarship has been established to recognize prospective University students who show outstanding academic potential.

The initial principal of the fund was donated by Pearl O. Kramer, of Pittsburgh, a 1941 Penn State graduate in education, in memory of her sisters, Anna L. Stewart and Ida M. Swanger.

Scholarship recipients will be selected by the University's special National Merit Scholars selection committee and the Freshman Scholarship Committee.

The University's Office of Student Aid will approve all awards, which will be made from income earned by the fund principal. The number of awards to be made annually and the amount of each will be set by the selection committee.

Sewer line project approved for Behrend

Trustees have authorized officers of the University to join with the Harborside Township Sewage Authority in obtaining bids and awarding contracts for a new sewer line project at Behrend College in Erie.

Robert A. Patterson, senior vice president for finance and operations, said

a new sewage interceptor system and pumping station will be built to allow the College to be served by Erie's municipal sewage treatment system.

"The University will then be able to discontinue its small, independent wastewater treatment facilities, which are old and inadequate," he explained.

Construction costs will be shared by the University and the authority. The University's share will be \$337,000.

Grant-in-aid fund set for Shenango

A William T. Evans Grant-In-Aid Fund has been established to recognize students enrolled in several programs at the Shenango Valley Campus.

The initial principal of the fund was contributed as a retirement gift by friends and co-workers of Mr. Evans of Sharon, who was president of the Shenango Valley Water Company.

Full-time students at the Shenango Valley Campus enrolled in baccalaureate programs in business, engineering or environmental science, who have achieved or show promise of outstanding academic performance, are eligible for the grants if they have financial need.

The Shenango Valley Campus scholarship committee will select recipients with the approval of the University's Office of Student Aid. Grants will be made from income earned by the fund principal.

The number and amount of annual grants awarded will be set by the selection committee. Grants are awarded for one academic year, but may be renewed if the recipient continues to meet all eligibility conditions and funds are available.

Recipients who transfer to another campus may retain their grants if they are renewed by the Shenango Valley scholarship committee. Contributions to the fund principal may be made by interested parties or organizations.

Awards will be made for one academic year, but may be renewed if the recipient continues to meet all eligibility requirements and funds are available. Contributions to the fund principal may be made by interested persons or organizations.

Series to focus on aging, older adults

Persons interested in learning more about the aging process and about older adults are invited to attend a series of four talks to be given at the Nursing Consultation Center.

The talks will be held Tuesday, July 28, Thursday, July 30, and Aug. 4 and 6 from 7 p.m. to 8 p.m. Dr. Jesse Igou, assistant professor of nursing, will coordinate the sessions.

The scheduled topics include: physical changes of aging, July 28; social aspects of aging, July 30; psychological aspects of aging, Aug. 4; and aging and the environment, Aug. 6.

Registration deadline is July 24. No fee will be charged. Registration and other information may be obtained by calling the Nursing Consultation Center at 863-2200 or 863-2225 between 9 a.m. and noon and from 1 p.m. to 4 p.m. on weekdays.

Workshop to focus on dealing with children

The Individual and Family Consultation Center is offering a six-session parenting workshop for parents interested in learning how to discipline and communicate more effectively with their children ages 3-12 years.

The workshops, free of charge, will be offered in the evening at the Catharine Beecher House on campus. More information may be obtained by calling the Consultation Center, 863-1751, from 8 a.m. to 5 p.m. weekdays.

Three departments and Capitol honored for publications, news

The University's Departments of Publications and Public Information and Relations were cited for excellence at the annual meeting of the Council for the Advancement and Support of Education (CASE) in Washington, D.C.

In addition, the Sports Information Office and Capitol Campus Currents, a campus publication, recently won major national awards.

A certificate of excellence was presented to the Publications Department for the catalog "All That Is Glorious Around Us," prepared for the Museum of Art's exhibition of Hudson River School paintings. It was designed by Richard Villastrigo, an art assistant in the department.

A citation award was presented for "Fortune 500," a brochure produced for Continuing Education. It was designed by Marilyn Shobaken, art editor in the Department of Publications, and written by Gerald Bizozitis, head of Public Information Services in Continuing Education.

"All That Is Glorious Around Us" and "Pennsylvania Prints," another catalog prepared for the Museum of Art, earned CASE awards for technical excellence. Both catalogs were produced by Salina Press of Syracuse, N.Y.

Gretl Magadini, art assistant in the Department of Publications, designed "Pennsylvania Prints."

The News Bureau in the Department of Public Information and Relations won a special merit award for excellence in news writing in competition judged by editors of Newsweek magazine. Penn State was one of 10 universities in the United States and Canada to receive that distinction.

The News Bureau also won a citation award for its news and information programs. These include feature and news stories, a Press Contacts directory,

faculty-written opinion pieces, and notes for consumers, among other things.

The Public Information Department also won a special merit award from CASE for an editorial support campaign carried out with four other Pennsylvania universities. The campaign was launched when, in the summer of 1980, a shortfall in the state budget threatened to cut the institutions' approved funding.

In addition, Arthur V. Ciervo, director of the Office of Public Information and Relations, was presented the 1981 ACE Beeman Award for Advancement Writing at the meeting. CASE's top public relations award, it honors individuals who, through their writing, have made significant contributions to institutional advancement.

Capitol Campus Currents, for faculty, staff and friends of Penn State's Capitol Campus, received an honorable mention award in the 1981 annual School and College Publications Contest sponsored by the National School Public Relations Association.

Roger Williams, director of campus relations at Capitol, is editor of Currents.

Publications produced by the Sports Information Office received awards at the recent national convention of the College Sports Information Directors of America.

The Nittany Lions' men's basketball press guide was judged best in the district and the men's basketball program took runner-up honors in district competition. Press guides for men's and women's gymnastics shared third place in national competition, and the Nittany Lion wrestling guide was judged fourth-best in the nation.

The awards were accepted by Dave Baker, sports information director, and Mary Jo Harbeck and Dick Sapara, assistant sports information directors.

Country music of Mel Tillis this Saturday

Mel Tillis, well-known country singer, will give two performances on Saturday, July 25, at Eisenhower Auditorium as the last event of the Nittany Mountain Summer Festival of Music and Dance.

The 7:15 p.m. and 9:30 p.m. shows will also feature Tillis' band, the Statesiders, who were named after his 1963 hit song, "Stateside." Tillis' popularity stems from his famous songs like "Ruby" and "Detroit City" and has gained him national recognition as a recording artist. The "stuttering troubadour" has received many awards, including the 1976 Entertainer of the Year award. He has performed at numerous bars and appeared on *Dynasty*, *Laugh In* and *The Today Show*. His film credits include *Cannonball* and *Smiley and the Bandit* II. Besides recording his own songs, Tillis has written songs that have been recorded by Kenny Rogers, Charley Pride, and Brenda Lee.

Michael Anthony of the *Munawapah* Tribune called Tillis a consummate performer who can make people laugh and cry and sing and who can translate experience into song, lending his comical air to his music.

Born Lonnie Melvin Tillis to a baker and a housewife in Tampa, Fla., he made his first public appearance at the age of sixteen in a talent contest in Pahokee, Fla. Before making a name for himself as a country singer, he worked as a strawberry picker, a fireman, a milkman, and a driver



Mel Tillis

for "Harry's Cookie" campaign. His first hit song, "I'm Tired," came out in 1956 and by the next year, Tillis was an independent songwriter and performer in Nashville.

When asked how he began stuttering, Tillis said it happened after he got malaria when he was three.

"I also had a friend who stuttered and I honestly don't know whether I started stuttering from being around LeRoy so much or from the malaria," Tillis said.

Tickets for Mel Tillis are on sale at the Eisenhower Auditorium box office, weekdays, from 9:00 a.m. to 4:00 p.m. For ticket information or to order on MasterCard/VISA, call (814) 863-0255. Out-of-towners, call collect.

Staff Development

(Continued from page 3)

program was taught by Milton R. Trask, regional personnel officer. Capital participants were:

Ruth Arehart, clerk, A; Lois Cochran, secretary C; Jean COVER, clerk, accounting A; Mary Davis, secretary C; Joanna Dove, graduate admissions clerk A; Patricia Eagle, clerk, accounting A; Mary Alice Finn, clerk, accounting A; Sara J. Garver, secretary C; Ann Kirsch, clerk, typist A; Kenneth R. Kline, clerk, accounting A; JoAnn Krupke, secretary C; Mary Lehman, clerk, accounting A; Joanne Meinster, secretary C; Ruth Melcher, clerk, records A; Rose Reedy, clerk typist A; Rayetta Snyder, bookstore clerk; Judith Shant, secretary C; and Elsie Wilk, secretary C.

Mont Alto participants were: Noreen Verdier, clerk, stenographer A, and Ruth Wallis, secretary C.

The University offers the EXCEL Program as a training and development program

for senior, career-oriented personnel.

Completing the course work during Spring Term were:

Paula Ammerman, secretary B, President's Office; Martha Bowman, auditing clerk, Controller's Office; Darla Confer, senior clerk, Planning & Budget; Barbara DeVinney, secretary B, Earth & Mineral Sciences; Helen Garbrick, secretary B, Human Development; Bonnie Griffler, secretary B, Controller's Office; Suzanne Harpster, secretary B, Education; Donna Krach, accounting clerk, Continuing Education; Beatrice Kreider, secretary B, Agriculture; Shirley Le Francois, secretary B, Intercollege Research Programs;

Helen Livinghouse, secretary B, Education; Marjorie Lowe, veteran's benefits clerk, Controller's Office; Sharon McClinton, secretary B, Education; Polly Muthersbaugh, secretary B, Education; Debbie Norwicz, secretary B, Engineering; Suzanne Seaman, secretary B, Gifts & Endowments; Susan Stokes, accounting clerk, Controller's Office; Linda White, secretary B, Undergraduate Admissions.

overall objective of the new program is to support engineering research relevant to understanding and using biologically based resources more effectively. Emphasis will be placed on investigating enzymatic, microbial, thermal, and catalytic transformations of lignocellulosic materials, devising new routes for producing industrial chemicals such as polysaccharides, sugars, and hydrogen from renewable materials, and developing effective means to circumvent operational difficulties associated with using biocatalysis in processes. For additional information, contact Dr. Oskar Zaborsky, Division of Chemical and Process Engineering (202-357-9782).

063-2) National Science Foundation—Research in Intelligent Robot Systems. A number of programs in NSF's newly reorganized Directorate for Information on the Coordinator's Committee on intelligent robotic systems (machines and computer systems capable of simulating human activities or performing manipulative functions, often with coordination of other intelligent systems) has been established to work with scientists and engineers from academia and industry interested in submitting proposals to conduct research in this area. For more information on the Coordinator's Committee on intelligent robotic systems activities in NSF, contact Dr. Norman Caplan, Division of Electrical, Computer, and Systems Engineering (202-357-9618).

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (exterior line 475-1387) or by mail. Applications for these vacancies will be accepted until 5 p.m., July 30, 1981. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ASSISTANT, CDDKINADTR, RADIOLOGY TECHNOLOGY, COLLEGE OF MEDICINE, HERSHEY Responsible to the coordinator, Radiology Technology, for assistance and coordination in the establishment and maintenance of a school of radiologic technology in accordance with applicable AMA and Medical Council standards. Assist in recommending and preparing curriculum for training programs in radiologic technology, radiation therapy, and nuclear medicine. Responsible for the evaluation of teaching material, equipment and facilities; assist in recruitment of students; participate in community health and career day programs; prepare, administer, and evaluate examinations. Perform radiographic procedures in clinical settings. Graduate from approved radiologic technology program with registration and an associate degree or equivalency of two years of college, plus a minimum of three to four years effective experience, one to two years of which must have been in radiologic technology.

JUNIOR RESEARCH AIDE, INTERCOLLEGE RESEARCH PROGRAMS, UNIVERSITY PARK Under the direction of staff veterinarian, employee will be involved in surgery, necropsy, and diagnostic procedures. Responsible for the routine maintenance of the surgery and necropsy service facilities and supplies. Participate in the administration of medications, euthanasia procedures, sample collections, tissue preparation for histology, operation of inhalation anesthesia machines, radiography, post-operative monitoring and other related tasks will be assigned as needed. Animal species involved range from laboratory animals through common agriculture domestic species. Associate's degree with emphasis in veterinary technology, or equivalent, plus three to six months of effective experience is required.

ACCOUNTANT—STUDENT LOANS, CONTROLLER'S OFFICE, UNIVERSITY PARK Responsible to the assistant manager of Student Loans and Scholarships for accounting for student loans and other financial aid disbursed to students at University Park and Commonwealth Campuses. Counsel and correspond with students, parents, federal agencies, and other third parties concerning financial aid and payments on loans. Maintain records and prepare reports for the Controller's Office of the Department of Education. Bachelor's degree (or equivalent) in accounting or related field plus one to two years effective experience, preferably in institutional accounting and procedures is required. Familiarity with computer accounting procedures is desirable. THIS IS A FIXED TERM 1 APPOINTMENT FUNDED UNTIL June 30, 1982, BUT MAY BE REFUND.

ACCOUNTANT, COLLEGE OF MEDICINE, HERSHEY Responsible to the chairman, Department of Surgery, for the implementation of an accounting system as well as for the performance of accounting duties related to income, expenses, budgetary projection and preparation of financial reports. Bachelor's degree in accounting or equivalency plus one to two years of effective accounting experience is required.

COMPUTER OPERATOR, SENIOR VICE PRESIDENT FOR ADMINISTRATION, MANAGEMENT SERVICES, UNIVERSITY PARK Operation and preparation of 307158 and 4341 computers for program processing and for the operation of peripheral equipment. MUST BE WILLING TO WORK ANY OF THREE SHIFTS. High school graduate or equivalent with computer operator training equivalent to two years of college, plus one to two years of effective experience with data processing accounting experience.

AUDITING ASSISTANT, CONTROLLER'S OFFICE, UNIVERSITY PARK Responsible to the audit manager for auditing the various University and bank transactions, securities, certificates of deposit and annual General Stores inventory count, and for reviewing the University's disbursement accounting or business school graduate, or equivalent, and from one to two years of effective experience.

COORDINATOR, PATIENT MONITORING SERVICES, COLLEGE OF MEDICINE, HERSHEY Responsible to the assistant hospital director/director of Nursing Services for management and coordination of patient monitoring services. Equipment and facilities to include supervision and management of technician staff. Bachelor's degree in electrical or electronic engineering or equivalency, plus one to two years of effective experience.

COORDINATOR, CHILD LIFE PROGRAM, COLLEGE OF MEDICINE, HERSHEY Responsible to the assistant hospital director/director of Nursing Services for providing therapeutic, educational and recreational activities for pediatric patients. Also

interact with patient to provide information related to age-appropriate activities and therapy within the confines of the child's physical limitations. Bachelor's degree in child development, individual and family studies or equivalency plus 1-2 years effective experience. A master's degree preferred.

SENIOR SYSTEMS PROGRAMMER, SENIOR VICE PRESIDENT FOR ADMINISTRATION, MANAGEMENT SERVICES, UNIVERSITY PARK MVS shop with CICS, IMS, TSO, RSCSC, and other mainframe systems. Will assist in the development of programs and procedures for the ACFTVAT with MSNF. Will assist in establishing future TP directions. Responsibilities include generation, maintenance, modifications and performance of TP software. Will also assist in directing work program for systems programmers. Bachelor's degree or equivalent plus two to four years of effective experience of which one to two years should be in the systems programmer level supporting telecommunications. Advanced knowledge of telecommunication software concepts and techniques, understanding how the operating system interfaces with telecommunications, and high level of capability for independently solving software problems desired.

ADMINISTRATIVE ASSISTANT, INTERCOLLEGE RESEARCH PROGRAMS, UNIVERSITY PARK Managerial Office Director, assist with all budgetary matters including planning and implementation; responsible for University general budget; assist in preparation and processing of research proposals, including budget preparation; administer expenditures in accordance with compliance with restrictions as outlined in proposals as well as specific agency guidelines; determine appropriate budgetary distribution of salaries; supervise and coordinate staff. Bachelor's degree (or equivalent) with accounting and bookkeeping background. Must have experience with University forms and accounting system, as well as experience with grants, contracts, and processing research proposals. One to two years of effective experience required.

GRAPHIC ARTIST, COLLEGE OF AGRICULTURE, UNIVERSITY PARK Responsible to art editor for assistance in design and production of graphics and preparation of texts and illustrations into functional visually effective publications. Collaborate with writers and engineers in the preparation of technical problems related to specifications and quality control for printed materials at all stages of production. Consult with faculty members and subject matter specialist. Recommend choice and correct use of various visual and art media problems in publications. Keep abreast of the state of the art. Associate degree in art or a graduate of a two-year program from an institute (or equivalent) plus one to two years of effective graphic arts experience are required.

SUPERINTENDENT OF FARM OPERATIONS AND SERVICE, COLLEGE OF AGRICULTURE, UNIVERSITY PARK Responsible to the associate dean for Administrative Services for the overall administration, maintenance and effective utilization of farm operations and service units. Oversee the planning, harvesting and crop rotation of grain and forage crops on assigned non-research University land. Determine the appropriate crop varieties, planting rates, sequence and dates of seeding and harvesting for maximum yields. Insure that the planned crop yields establish requirements to meet the needs of Dairy and Animal Science and the Veterinary Science Departments. Plan and schedule crop harvest dates and establish harvest sequence and dates of crops. Be responsible for the overall preparation and maintenance of crop activity records. Recommend the selection, purchase and/or lease of farm equipment, tractors and trucks. Plan, develop and implement preventive maintenance program for farm equipment, tractors, trucks, including repair and/or replacement of equipment. Determine and establish crop prices and other charges for departmental services. Consult and cooperate with research personnel concerning land sales, crops, equipment, and other farm-related matters. Purchase and repair of tractors and farm equipment. Supervise assigned personnel and coordinate farm operations and services to maximize operating efficiency. Make final decisions in hiring and supervising employees. Bachelor's degree or equivalent in agriculture, preferably in agronomy with agricultural engineering courses in tractors and farm machinery or related practical experience. Over two (2) years and up to and including four (4) years of experience may be required, preferably with practical grain and forage crop and supervisory experience.

COORDINATOR, CAMPUS RESIDENTIAL LIFE, ALTOONA CAMPUS Responsible to the Dean of Student Affairs for carrying out specific responsibilities for the residence hall program. The responsibilities include administration of the conduct standards system, selection and supervision of student assistants; developing cultural, social and educational programs; and counseling of students. Bachelor's degree or equivalent, plus one to two years of directly related experience in supervising, managing or equivalent in student personnel or related field, with three to six months of residence hall experience.

COORDINATOR OF CLINICAL EXPERIENCES, COLLEGE OF EDUCATION, UNIVERSITY PARK Responsible for supervising and coordinating clinical experiences for all undergraduate and graduate students; developing and maintaining liaison with off-campus practicum sites; maintaining liaison with academic programs and implement policies developed by program and supervising maintenance of student records; assisting in presentation of the program to public agencies. Master's degree; certificate of clinical competence in speech pathology or psychology, or professional or comparable certification, plus one year of effective experience in special education or communication disorders. THIS IS A FIXED TERM POSITION.

Funding Sources

For further information, call 865-1372

063-1) A new program, Minerals and Primary Materials Processing, has been established in NSF's Directorate for Engineering to emphasize research on a wide variety of chemical and physical processes involved in mineral processing and extractive metallurgy. The program's main goal is to provide the fundamental engineering knowledge needed to develop vastly improved or radically new technologies related to ore preparation, the production of metals, refractories, ceramics, and inorganic chemicals derived from minerals. Other goals of the program involve the processing of scraps, waste solids, effluents and safe disposal of difficult-to-recover wastes. For detailed information on this program or information on proposal submission, contact Dr. Tapan Mukherjee, Division of Chemical and Process Engineering (202-357-7423).

063-3) The National Science Foundation Directorate for Engineering announces the establishment of a **Renewable Materials Engineering Program** in its Division of Chemical and Process Engineering. The

Penn State Intercom

Search reopened for development vice president

The University has reopened a search for candidates to fill the newly established position of Vice President for Development.

The Search Committee to seek and review nominations and applications is being chaired by Dr. Eugene J. Kelley, dean of the College of Business Administration. Its members are:

Dr. Maureen A. Carr, director, School of Music; Steve A. Garban, vice president and controller; William Hull, director of exhibitions; Peter A. Irvin, Graduate Student Association; Irvin H. Kochel, assistant vice president for administration; Herbert Kraybill, director, gifts and endowments, Hershey; Ross B. Lehman, executive director, Alumni Association; Dean Stanley F. Paulson, College of the Liberal Arts; Dr. Harold W. Perkins, director, Berks Campus; Dr. Doris M. Seward, executive assistant to the President; Dr. James B. Stewart, director, Black Studies Program; and Dr. Nancy M. Tischler, chairman, University Faculty Senate.

Among the responsibilities of the new vice president will be advising on fund-raising policies and practices, as well as planning, coordinating and directing the University's fund-raising program.

Candidates should have at least five years of successful, executive-level fund-raising or administrative experience and should possess a full understanding of the functions and priorities of a university such as Penn State.

Applications and resumes should be sent by Sept. 15, 1981, to Dr. Eugene J. Kelley, Chairperson, Vice President for Development Search Committee, Room 309 Old Main, University Park, PA 16802.

DuBois Campus lists new phone numbers

Effective Aug. 10, DuBois Campus will have a new telephone exchange number on the network line.

Persons calling on the network line should dial 433-3080, 433-3081 or 433-3082. Persons telephoning from University Park should use 863- and one of the same last three 30-series digits.



University employees Bob Lingle (left) and Harry K. Beck load hay from University fields into loft over barn where expectant mares are housed.

Photo: Scott Johnson

Council to study faculty contracts

The Calendar Conversion Council will appoint a committee to study the faculty contract system and determine whether a new contractual system will be appropriate for the semester calendar.

At its July 16 meeting, the Council also was advised that the requested dates for publication of catalogs were infeasible in the opinion of the Department of Publications and other representatives.

The Associate Degree Council will be available in November, 1982, with the Baccalaureate and Graduate catalogs available by March 1, 1983. The "Major Sheets" will be revised and issued by the fall of 1983.

In other business, Council:

- Received an oral report from the Standing Summer Session Committee on

its first meeting which was exploratory and informational.

- Discussed an analysis of preliminary program revision material from the departments of Biology, Chemistry, English, Mathematics, Physics, and Speech.
- Received a preliminary report from the Sabbatical Leave Committee which noted that, since sabbatical leave considerations are keyed on faculty contracts, sabbatical leave recommendations will be made when the faculty contracts issue is resolved.
- Council members also received a preliminary report on stipends for graduate assistants. A Graduate Council Committee is examining the issue.

Trustees named to presidential selection group

Eight University Trustees have been named to a Trustee Presidential Selection Committee, following the recent announcement by President Oswald that he will retire in 1983.

The appointments were made by Board President Quentin E. Wood who will serve as chairman of the committee.

Committee members are Howard O. Beaver Jr. of Reading, Walter J. Conti of Doylestown, the Honorable Roger A. Madigan of Towanda, Stanley G. Schaffer of Pittsburgh, Obie Snider of Inler, William K. Ulerich of Clearfield and Dr. Helen D. Wise of Dover, Del.

The eight are current officers of the Board and chairpersons and vice chairpersons of the Trustees' three permanent standing committees — finance, educational policy and physical plant. Dr. Richard E. Grubb, senior vice president for administration at the University, will serve as executive secretary of the committee.

Dr. Oswald, Penn State's 13th president, has announced he will retire when his current contract expires on June 30, 1983.

The Trustee committee is to "develop and implement the necessary criteria and procedures to ensure breadth, equal opportunity, timeliness, confidentiality and appropriate University community involvement in the search process."

Ultimately, the committee will recommend a final candidate for the University presidency to the full Board of Trustees.

Mr. Wood said he would strongly recommend to the committee that it establish a University Presidential Search and Screen Committee to help in the search process. That committee, he said, would consist of various University representatives, including faculty members, academic deans, campus directors, students and alumni, with up to half of its members being faculty members.

Dr. Oswald, at his own request, has been excused from serving on the committee and from consultation responsibilities in the appointment of the committee. (Ordinarily, under Trustee bylaws, the University president serves on all special committees of the Board.)

Plan at MRL tests 'public's energy conscience' to cut energy use



MRL display for energy conservation project.

A plan being tested at the Materials Research Laboratory relies on the public's energy conscience to reduce energy and resource use.

Posters placed in the lobby of the lab on campus will show how much water, electricity and steam energy are being used by building occupants over a three-year period.

The University's Executive Energy Conservation Committee (EECC) hopes that the posters will remind occupants to curtail their use of these resources, according to EECC staff member J. Carroll Dean.

The posters plot resource use since September, 1979, in quarterly (three-month) segments, and will

continue until June, 1982. Each year's use is plotted separately on a graph to highlight changes in use over previous years.

Water use, for instance, has increased by an average of approximately 1,000,000 gallons per quarter between 1979-80 and 1980-81. Steam use, which in September, 1980, was almost 1,000,000 pounds per quarter over the previous year, was cut to 750,000 pounds below the previous year's levels by June 1981.

And electricity use remained relatively stable between the two periods, although 1980-81 use has dropped almost 55,000 kilowatt-hours relative to the previous year's level.

The Materials Research Lab was

selected, Mr. Dean says, because, as a research facility, it has high utility consumption. It also is used by technically-oriented research personnel who may be inclined to respond to the information.

The lab's location (on the edge of campus near the Breazeale Nuclear Reactor) also restricts incidental traffic and utility use in the building, and allows a more accurate picture of conservation efforts by the lab's occupants.

No other attempts to encourage conservation will be made in the building, Mr. Dean says; the experiment is intended to discern whether such a silent reminder is helpful. If successful, the effort may be expanded to other campus buildings.

Penn Staters

Dr. Frank M. Goode, associate professor of agricultural economics, has been elected president-elect of the Northeast Agricultural Economics Council.

Dr. Thomas L. Leaman, professor and chairman of family and community medicine at Hershey, has been named president-elect of the Society of Teachers of Family Medicine.

Dr. Leaman has pioneered in the teaching of family medicine in U.S. medical schools since he was appointed chairman of the nation's first department of family medicine at Hershey in February, 1966. He is a founder of the Society which he will head. It now has over 2,000 members and is a formally recognized constituent group in the Council of Academic Societies of the American Association of Medical Colleges.

Since Hershey became the first school to have such a department, more than 80 percent of America's medical schools have added programs in the last 15 years.

Dr. John S. Shenk, professor of plant breeding, has received the Merit Certificate Award of the American Forage and Grassland Council.

Dr. Shenk has played a major role in evaluating and applying a process known as near infrared reflectance to analyze forages and feeds for nutrient qualities. The process is commonly applied through an "infrared spectro computer."

Dr. Shenk, who also developed and perfected a bioassay procedure for evaluating an animal's ability to gain weight when forage is limited, holds B.S. and M.S. degrees from Penn State and the Ph.D. in plant breeding from Michigan State.

Two retired faculty members,
Dr. Howard B. Sprague and **Dr. John B.**

Washko, received the Grassland Council's new Distinguished Grasslander Award.

Dr. Sprague was head of the Department of Agronomy for 11 years before retiring in 1964. Dr. Washko, who retired in 1977, was a Fellow of the American Society of Agronomy and served as its Northeast Branch vice president and president.

Dr. I. S. T. Tsong, associate professor of materials research, presented papers entitled "Outershell Electronic Processes in Ne+ Collisions with a Ni(110) Surface" at the 9th International Conference of Atomic Collisions in Solids held in Lyon, France, and "Ion-Beam Depth-Profiling Studies of Leached Glasses" at the International Conference of Radiation Effects in Insulators in Arco, Italy.

Dr. Paul J. Wangness, professor of animal nutrition and head of the Department of Dairy and Animal Science, has received the top award presented to dairy and livestock scientists of the Northeast.

The Young Scientist Award is presented jointly by the American Society of Animal Science and the American Dairy Science Association.

Dr. Wangness was cited for his research which has involved nutrition and metabolism of farm and laboratory animals, with emphasis on the body's controls of appetite and weight gain.

William C. Zierke, research assistant, Applied Research Laboratory, presented a paper entitled "Measurement and Analysis of Total-Pressure Unsteadiness Data from an Axial-Flow Compressor Stage" at the International Symposium on Energy and Environment in Athens, Greece, in June.

Promotions

Staff Exempt

Linda L. Brandt to nursing supervisor at Hershey.

Mark G. Hoskinson to programmer at Hershey.

Susan M. Lewis to chief radiologic technologist at Hershey.

Arlene D. Wagner to manager, management systems at Hershey.

Staff Non-Exempt

Jeanette O. Beck to senior staff nurse at Hershey.

Cynthia L. Bowman to senior staff nurse at Hershey.

Bookshelf

Dr. Charles M. Redenius, associate professor of political science at Behrend, is the author of *The American Ideal of Equality and Constitutional Change: From Jefferson's*

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Retirements



Gordon Bowker

Gordon Bowker, professor of engineering at Mont Alto, retired June 30 after 15 years of service with the University.

Prof. Bowker joined the faculty at Mont Alto on Aug. 1, 1966, after lengthy service in government and industry. He headed the Surveying Technology program and taught courses in that program and in the Forest Technology program. Student evaluations consistently ranked him among the top teachers in the College of Engineering.

He served several terms in the University Faculty Senate and was active with the Intra-University Relations Committee.

Prof. Bowker marked his retirement by speaking at Spring Term commencement at Mont Alto. At the ceremonies, the Student Government Association honored him as the first recipient of its outstanding faculty award.

Samuel D. Lewis, Northampton County Extension Agent, retired July 31 after 34 years of service to the University.

Lewis, who received B.S. and M.S. degrees at Penn State, joined the

Cooperative Extension Service staff in 1947 as assistant Northampton County agent. He was promoted to associate agent in 1954 and to county agent in 1956.

As a result of his leadership in the 4-H program, membership increased by more than 300 percent during his tenure. One of his significant accomplishments was the development of a 4-H center north of Nazareth.

Using demonstrations as a teaching technique, Lewis assisted in establishing several hundred field trials and plots to help improve crop production and soil fertility. He also placed major emphasis on safe pesticide use, lawn care, and arboriculture.

In 1967 Lewis received a Distinguished Service Award from the National Association of County Agricultural Agents for his service to Pennsylvania agriculture.

Sybil B. Coble, senior extension agent in the College of Agriculture, retired June 30. She had been an employee of the University since Nov. 1, 1963.

William R. Fulton, senior assistant librarian at the Beaver Campus, retired June 30 after serving with the University since July 1, 1965.

Clerk typist **Ann K. Nestich**, a member of the Beaver Campus staff since July 6, 1971, retired August 1.

Joseph Parrish, group leader, maintenance worker, Utility, Delaware County Campus, retired Aug. 1 after serving since July 27, 1971.

Partings

Vicki J. Montesano, administrative aide at Hershey, left the University July 25 after serving since Oct. 1, 1970.

Coral L. Sweetwood, a food service worker in Housing and Food Services, left the University June 1 after serving since September 15, 1968.

Obituaries

Dr. Robert Stefanko, professor of mining engineering and associate dean for continuing education in the College of Earth and Mineral Sciences, died July 25. He was 55.

Undertaken by 30 years' confinement to a wheelchair resulting from a mine roof collapse, he gained international recognition for pioneering research in mine roof support, electrical systems and ventilation, the use of diesel-powered equipment in underground coal mines, and the commercial recovery of methane gas from coal seams prior to mining.

Widely honored for his work, Dr. Stefanko also was long active in the Society of Mining Engineers (SME) of the American Institute of Mining, Metallurgical and Petroleum Engineers (AIME). He was the SME's national president in 1979, and a member of its board from 1975 to 1981. He was on AIME's board of directors from 1977 to 1980.

Dr. Stefanko earned three degrees in mining engineering from Penn State — B.S., 1948; M.S., 1957, and Ph.D., 1961. He joined the faculty in 1957 and was named head of the Department of Mining in 1964. He was appointed assistant dean of the College in 1969 and became associate dean in 1976. He is survived by his wife, Margaret, a daughter, and a granddaughter.

Franklin A. Miller, professor emeritus of education and former head of the College of Education's Department of Educational Services, died July 1. He was 78.

A member of the Penn State faculty from 1949 until his retirement in 1967, Dr. Miller headed his department from 1959 to 1967. He was an early advocate of school jointures during the 1950s and served as an adviser in the establishment of several

school mergers in the Central Pennsylvania area. He also served as chairman of several State Evaluation Teams, appointed by the Department of Public Instruction to evaluate the quality of graduate programs in state-related colleges and universities.

Dr. Miller, a native of Johnstown, held three degrees from the University — bachelor's and master's of science and doctor of philosophy.

Albert E. Diem, vice president for business administration at the University from 1958 to 1962, died July 27 in Bridgeport (Conn.) Hospital. He was 71.

Mr. Diem received a B.A. degree in commerce and finance from Penn State in 1935. He was the University of Bridgeport's vice president for business and finance and treasurer from 1962 until his retirement in 1974, at which time he was granted emeritus status.

Mr. Diem was awarded two honorary degrees, a doctor of letters degree from Indiana University of Pennsylvania and a doctor of laws degree from Salem (W.Va.) College. He is survived by his wife, Adelaide, and two children.

John L. Corl, an equipment operator with the Office of Physical Plant, died July 23 at the age of 73. He was employed by the University from 1950 until 1969.

Carpooler

Helen Liveringhouse would like to share driving from Lewisstown. She works from 8 a.m. to 5 p.m. in Chambers Bldg. Call either 865-2523 or 717-242-2255.

University Park Calendar

August 6 —
August 23

Special Events

Thursday, August 6

GSA Explazaganza Film, *Bad Day at Black Rock* (Spencer Tracy, Lee Marvin), dusk, Fisher Plaza
Festival Theatre, Ernest Thompson, *On Golden Pond*, 8 p.m., The Pavilion Theatre; Jacobs/Casey, *Grease*, 8 p.m., The Playhouse.
Aging Workshop — "Aging and the Environment," 7-8 p.m., Nursing Consultation Center, Human Development South. Coordinator: Dr. Jesse Igou, assistant professor of nursing. Registration and information, 863-2200 or 863-2225.
Nursing Consultation Center, "Learning to Relax" series, second meeting, 3:30-4:30 p.m.

Friday, August 7

Commonplace Theatre, *Kentucky Fried Movie*, 7:30 p.m.; *All That Jazz*, 9:15 p.m., Room 112 Kern.
HUB Movie, *The Odessa File*, 9:30 p.m., HUB Lawn.
Festival Theatre, Ernest Thompson, *On Golden Pond*, 8 p.m., The Pavilion Theatre; Jacobs/Casey, *Grease*, 8 p.m., The Playhouse.
Interlandia Folk Dancing, 7:30 p.m., HUB Ballroom.

Saturday, August 8

France-Cinema, Fellini, *Amarcord*, 7 and 9 p.m., Room 112 Kern.
Festival Theatre, Ernest Thompson, *On Golden Pond*, 8 p.m., The Pavilion Theatre; Jacobs/Casey, *Grease*, 8 p.m., The Playhouse.

Sunday, August 9

Commonplace Theatre, *Kentucky Fried Movie*, 7:30 p.m.; *All That Jazz*, 9:15 p.m., Room 112 Kern.
Festival Theatre, Ernest Thompson, *On Golden Pond*, 7:30 p.m., The Pavilion Theatre; Jacobs/Casey, *Grease*, 7:30 p.m., The Playhouse.
Shaver's Creek Environmental Center, Wildflower Walk, 2-4 p.m., Stone Valley.

Monday, August 10

Late drop deadline (eight week Summer Term).
France-Cinema, Fellini, *Amarcord*, 7 and 9 p.m., Room 112 Kern.
"Biological Agriculture: Implications for Farmers, Consumers and Researchers," 9:30-11 a.m., Kern Auditorium. Dr. Hartmut Vogtmann, professor and Chair for Alternative Farming Methods, University of Kassel, Germany. Open to the public.

Tuesday, August 11

Festival Theatre, Jacobs/Casey, *Grease*, 8 p.m., The Playhouse.
Seminar/Discussion, "Manure Management and Weed Control in Biological Agriculture Systems," 9-10:30 a.m., 115 Animal Industries Bldg. Dr. Hartmut Vogtmann, professor and Chair for Alternative Farming Methods, University of Kassel, Germany.

Wednesday, August 12

GSA Explazaganza Concert. The Arthur Goldstein Rock Band, 7 p.m., Fisher Plaza.
Commons Concert, Dan Johnson, noon, Kern Lobby.



This "Pomp and Circumstance Teapot" is one of 50 ceramic pieces by Susan McGilvrey included in an exhibition in Visual Arts Zoller Gallery now through Aug. 14. Also in the show are prints and handmade paper pieces by Doris Karlisch.

Festival Theatre, Jacobs/Casey, *Grease*, 8 p.m., The Playhouse.
"Young and Older Adults Working Together," 1:15 p.m., Nursing Consultation Center, Human Development East. Registration and information, 863-2200 or 863-2225. Open to the public.

Thursday, August 13

Penn State Dames meeting, 7:30 p.m., Room 101 Kern.
Fred Waring Summer Youth Concert, 8 p.m., Schwab.
GSA Explazaganza films, *The African Queen* (Humphrey Bogart, Katherine Hepburn); *We're No Angels* (Humphrey Bogart, Peter Ustinov), dusk, Fisher Plaza.
Nursing Consultation Center, "Learning to Relax" series, third meeting, 3:30-4:30 p.m.

Friday, August 14

Deadline to submit petitions to Registrar's Office to graduate in absentia in August.

Commonplace Theatre, *Everything You Always Wanted to Know About Sex*, 7:30 p.m.; *American Graffiti*, 9 p.m., Room 112 Kern.
Fred Waring Summer Youth Concert, 8 p.m., Schwab.
HUB Movie, *Cactus Flower*, 9:30 p.m., HUB Lawn.
Festival Theatre, Jacobs/Casey, *Grease*, 8 p.m., The Playhouse.
Interlandia Folk Dancing, 7:30 p.m., HUB Ballroom.

Saturday, August 15

France-Cinema, *Wertmuller, Seven Banties*, 7 and 9 p.m., Room 112 Kern.
Festival Theatre, Jacobs/Casey, *Grease*, 8 p.m., The Playhouse.

Sunday, August 16

Commonplace Theatre, *Everything You Always Wanted to Know About Sex*, 7:30 p.m.; *American Graffiti*, 9:00 p.m., Room 112 Kern.
Festival Theatre, Jacobs/Casey, *Grease*, 7:30

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

p.m., The Playhouse.

Monday, August 17

Fall Term early registration, 8:30 a.m.-4:30 p.m., Room 112 Shields.
Color Slide Club meeting, 7:30 p.m., Room 189 Materials Research Lab.
France-Cinema, *Wertmuller, Seven Banties*, 7 and 9 p.m., Room 112 Kern.
"Young and Older Adults Working Together," 10:30 a.m., Nursing Consultation Center, Human Development East. Registration and information, 863-2200 or 863-2225. Open to the public.

Tuesday, August 18

Ten week Summer Term classes end, 9:55 p.m.
Fall Term early registration, 8:30 a.m.-4:30 p.m., Room 112 Shields.

Wednesday, August 19

Loans, Room 108 Shields.
Eight week Summer Term classes end, 9:55 p.m.
Fall Term early registration, 8:30 a.m.-4:30 p.m., Room 112 Shields.

Thursday, August 20

Final examinations, through Saturday, August 22.
Fall Term early registration, 8:30 a.m.-4:30 p.m., Room 112 Shields.
Nursing Consultation Center, "Advanced Relaxation Series," first meeting, 7:30-8:30 p.m. Information and registration, 863-2200.

Friday, August 21

Fall Term early registration, 8:30 a.m.-4:30 p.m., Room 112 Shields.

Sunday, August 23

Residence Halls close for Summer Term, 3 p.m.
Shaver's Creek Environmental Center, Wildflower Walk, 2-4 p.m., Stone Valley.

Exhibits

Chambers Gallery: open Monday through Friday, 8 a.m.-5 p.m., Mark Ruyak, drawings and weavings, through August 19.

Kern Gallery: open Monday through Friday, 8 a.m.-11 p.m.; Sunday, noon-11 p.m.
Frances Vernard, retrospective exhibition, through August 18.

Museum of Art: open 11 a.m.-4:30 p.m.
Closed Mondays, Tours, Sundays, 1:30 p.m.
Drawings and prints from the Museum's collection. "Homeline, Neckline, Streamline: Women's Fashions 1890-1940" from the collection of Beverly Birds. CPFA, Jured Crafts exhibit through August 16. African sculpture from the Museum's collection.

Pattee Library: Michael Lucas, drawings, through August 20; Robert Andruille, paintings, opens August 20. East Corridor Lobby.
Jocelyn Burris, paintings, through August 19, Lending Services Lobby.
Bonnie Deutsch, Helen Newhart and Elaine Stone, metalwork, through August 20. Main Lobby and Second Floor East.
Mortu Carothers, "The Design and Production of Children's Novelty Books," Rare Books Room.

Visual Arts Zoller Gallery: open 11 a.m.-4:30 p.m. Closed Mondays. Susan McGilvrey and Doris Karlisch, ceramics and prints, through August 14.

'Grease' features three Equity actors

Grease, the final offering of Festival Theatre 1981, adds a new face to the Equity roster for the season. Kim Strauss, who plays the hot-rod-happy Kenickie, is unusually well-suited to performance in a highly stylized rock musical.

Mr. Strauss began his professional career as a singer and drummer in a band he started with his brothers. Since that time he has performed and recorded with several bands.

Mr. Strauss and his fellow Equity performers in *Grease* (Pamela Bierly as Rizzo and Lee Lobenhofer as Danny) all come to Festival from recent appearances at Chicago's Marriott's Lincolnshire Theatre where each has worked with *Grease* director-choreographer, David H. Bell.

For Festival's production of *Grease*,



Kim Strauss

Mr. Bell and his cast have worked to present not only the sights, the sounds and the style of the 1950s and the birth of rock'n'roll, but also the individual



David H. Bell

humanity behind the stereotypes. *Grease* continues in the Playhouse through Aug. 16. For tickets call the Festival Box Office at 865-1884.

Fall Calendar material due for INTERCOM

The deadline for submission of information for the Fall Term Calendar is Friday, Aug. 14. Please send material to Calendar Editor, Room 301 Old Main, 865-2501. The Calendar will appear in the Sept. 3 issue of INTERCOM.

Calendar orders accepted by Student Government

The Undergraduate Student Government is accepting orders for its 1981-82 University calendar. The calendars are priced at \$1.00 and can be paid for by cash or personal check, made payable to USG. IDTs are not accepted.

Calendars can be ordered until Friday, Aug. 21, by memo to Mary L. Francis, USG calendar manager, 203A HUB, phone 863-1874.

News in Brief

John Dutton to chair Meteorology Department

Dr. John A. Dutton, professor of meteorology, has been named head of the Department of Meteorology. He succeeds Dr. A. K. Blackadar, who will continue teaching and will expand a research program relating models of boundary layer processes to numerical weather forecasting procedures.

Dr. Dutton, who earned three degrees in meteorology at the University of Wisconsin, has been a member of the University meteorology faculty since 1965. His teaching and research primarily are concerned with theoretical and mathematical aspects of large-scale atmospheric motion.

Dr. Dutton was a trustee of the University Corporation for Atmospheric

Research (UCAR) from 1974 to 1980, and formerly was the UCAR's secretary, treasurer, and vice-chairman. In 1958, Penn State was one of several universities granting Ph.D. degrees in meteorology that cooperated to form the UCAR, which now operates the National Center for Atmospheric Research, Boulder, Colo.

Recently, Dr. Dutton was named to the Committee on Atmospheric Sciences of the National Research Council. Elected a fellow of the American Meteorological Society in 1977, he is editor of "Meteorological Monographs," published by the society.

Dr. Blackadar, a past president of the American Meteorological Society, has been head of the meteorology department since 1967. He first came to Penn State in 1954, as a visiting associate professor on leave from New York University. He joined the University faculty in 1956.

Telephone Directory errors should be corrected

Faculty and staff members who have noted errors in their Telephone Directory listings should forward corrections immediately to facilitate the preparation of next year's edition.

Information for the directory was taken from payroll files last summer. Following is a list of common errors, and the procedures for getting the correct information into the proper files.

In correcting the forms, it is important to fill in all the information. Missing elements may cause errors or rejection of the correction by the computer file.

Directory listing carrying old or incorrect title:

Must be corrected on Payroll Change Form submitted by your Department

Head, through the Office of Personnel Administration.

Listing showing old or incorrect address: Home address — changed by submitting new W-4.

Campus address — changed by submitting Office Address Telephone Information form. Both forms are available from your Personnel Representative.

Name omitted from Directory: Submit O.A.T.I. form to Payroll. Form is available from your Personnel Representative.

Unlisted number appearing in Directory: This can be corrected in two ways. Submit new O.A.T.I. form with a Code 2 in the publish box, or fill out a new W-4 form and omit your unlisted number from the form. Both forms are available from your Personnel Representative.

Ag committee named

A search committee has been named to identify candidates for the position of Associate Dean for Research and Associate Director of the Agricultural Experiment Station in the College of Agriculture.

Dr. Gene M. Love, associate dean for resident education in the College, is committee chairman. Members are:

Dr. James L. Starling, professor and head of the Department of Agronomy; Dr. C. S. Card, professor and head of the Department of Veterinary Science; Dr. John W. Malone Jr., professor and head of the Department of Agricultural Economics and Rural Sociology; Dr. Harold V. Walton, professor and head of the Department of Agricultural Engineering; Dr. Thomas Smyth Jr., professor of entomology, and G. G. Hanniard, graduate student in horticulture.

Nominations and applications for the position should be sent in care of Dr. Love to 217 Agricultural Administration Bldg., University Park, PA 16802, by Oct. 2, 1981.

Skills program offered

The Individual and Family Consultation Center at the University offers a free program in "Relationship Enhancement Skills" to couples and families.

The program consists of weekly sessions during which groups, individual couples or families meet to learn and practice communication, problem solving and mutual helping skills. The sessions continue according to the participants' needs, usually from 10 to 12 weeks.

For further information call Evelyn Roberts, program coordinator, at 865-1751 weekdays from 8 a.m. to 5 p.m.

mailed recently to all faculty and staff members who are members of that retirement system.

Any employee on leave of absence or layoff should contact his or her supervisor upon return to employment to secure a copy. Other faculty and staff members who did not receive a copy of the annual report may obtain one by contacting the Employee Benefits Division, Room 133 Willard Building (865-1473).

provides Penn State with continuous monitoring of public and private agency programs. RIS reviews information from numerous sources including the Federal Register and the Commerce Business Daily and receives direct agency mailings. RIS makes information distributions to faculty and staff to promote an awareness of public and private programs; responds to faculty/staff inquiries about programs and program contacts; through a Preliminary Proposal Outline (PPO) mechanism, helps locate project support funds with the assistance of OFF and Penn State's Office of Gifts and Endowments (OGE). For detailed information about available RIS assistance, contact M. R. Kohler, 5 Old Main, 814-865-0715.

Videodiscs Committee seeks faculty evaluations

The University's committee on videodiscs is seeking faculty evaluations of two videodisc players newly acquired by the University. Faculty input is being sought in order to explore the applications of this technology for various disciplines, according to committee chairman Robert Allen, Audio Visual Services director.

Videodisc players offer rapid, random access of material, enabling the operator to search for one or many of the over 50,000 still frames stored in the disc. Each still

frame has a number which may be searched, retrieved and held.

The Laser Disc player by Pioneer may be previewed at Audio Visual Services' Presentation Services, located in 1 Willard Bldg. The more complex DiscVision II model, which may be interfaced with the Apple microcomputer, is available for demonstration at Audio Visual Services, Special Services Bldg., Fox Hill Road.

Videodisc players and software will be available for faculty preview and evaluation for six months at the University Park locations and six months at the Commonwealth Campuses. For more information, call AVS (865-6316).

University receives grant

The University has been selected by one of its alumni to receive a \$1,500 unrestricted educational grant from the General Electric Company's Power Delivery Group. The grant was given to the University in the name of E.R. Frey Jr., of Lombard, Ill., a 1966 graduate of Penn State and an engineer in GE's Electric Utility Sales Division in Oak Brook, Ill.

Mr. Frey was recently honored through the Power Delivery Group's Pi Delta Gamma Program for his outstanding contributions in his field. In that program, an exceptional employee is invited to choose a college or university to receive a grant from GE.

GE's Power Delivery Group provides electrical power delivery systems and products.

Staff Vacancies

The following vacancies for positions described as staff except as staff nomenclature has been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1380 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Aug. 13, 1981. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (P5-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap as provided by law, sex, or status as a disabled or Vietnam era veteran.

SENIOR APPLICATIONS

PROGRAMMER/ANALYST, MANAGEMENT SERVICES, UNIVERSITY PARK Provide analytical design, and programming support for financial computer systems in both development and modification environment. Meet with users to survey problems and define needs. Analyze alternatives by weighing costs and technical implications to determine best approach. Work on detail systems analysis to develop specifications. Direct coding and documentation. Bachelor's degree or equivalent in basic computer systems plus two to three years of effective systems analysis and programming. COBOL and FORTRAN experience desired. Accounting experience helpful.

SENIOR NUCLEAR MEDICINE TECHNOLOGIST, COLLEGE OF MEDICINE, HERSEY Responsible to the chief technologist and the chief, Division of Nuclear Medicine for the day-to-day administrative functions of the Division to include supervision of the aides and technologists. Direct other technologists in the performance of various patient studies. Responsible for scheduling Nuclear Medicine and CT Scanning technologists. Patient Service positions and make recommendations to the chief technologist. Perform quality control, calibration and resolution checks on electronic equipment. Troubleshoot service problems and arrange service as necessary. Maintain disposal records of isotopes. Calibrate and use stationary imaging devices, Renecal Scanners, and a variety of supplementary electronic and mechanical equipment. Handle and administer radioactive isotopes for therapeutic or diagnostic procedures as directed under the guidance of a physician. High school graduate with formal Nuclear Medicine Training in an AAMA approved program and registered by the ARRT or equivalency, plus two to three years of Nuclear Medicine experience of which one to two years were in a supervisory capacity.

COUNSELOR, NEW KENSINGTON CAMPUS Responsible to the campus director through the dean of student affairs of the Commonwealth Campus for conducting personal, educational, career and placement counseling programs. Assist with work of other Student Affairs and campus divisions as assigned by the dean of student affairs. Conduct undergraduate enrollment, academic advising, educational counseling, and the academic information support services of the Division of Undergraduate Studies. Responsible for administering these programs and services according to procedural guidelines and policies of the Division of Undergraduate Studies.

SENATE POLICIES AND PROCEDURES for Undergraduate Studies. A master's degree in clinical or counseling psychology; counselor education, or equivalent training, plus a minimum of two years of applicable professional experience in educational/counseling or related experience; or Ph.D. or D.Ed. in clinical or counseling psychology; counselor

education or equivalent training, plus a minimum of up to one year of applicable professional experience in educational/vocational counseling or related experience.

ASSISTANT HEALTH PHYSICIST, COLLEGE OF MEDICINE, HERSEY Responsible to the health physicist for the daily operation of the Health Physics laboratory and supervision of a varying number of technicians as well as carrying out an effective Medical Center monitoring program. Master's degree in health physics or equivalency; plus one to two years of effective experience.

COORDINATOR, MULTI-PURPOSE BUILDING AND ATHLETIC FACILITIES, SCHUYLKILL CAMPUS Responsible to the business manager for providing supervision and coordination of the multi-purpose building and athletic facilities, security for equipment and facilities and for supervising work staff and wage payroll studies. Assist in coordinating the maintenance of the multi-purpose building and all athletic facilities. Associate degree or equivalent in recreation plus one year over up to and including two years of effective experience are required.

CHIEF TECHNOLOGIST — LABORATORY SUPPORT SERVICES, COLLEGE OF MEDICINE, HERSEY Reports to the manager of the Laboratory Support Services, responsible to manage Clinical Laboratory for efficient operation of laboratory computer and central processing; also responsible to director/Clinical Laboratories and manager/Clinical Laboratory for planning, and implementing improved operations of laboratory computer and central processing. Bachelor's degree in medical technology — MT (ASCP) and/or equivalent plus four to six years of effective experience in a clinical laboratory.

SUPERVISOR OF MAINTENANCE, HOUSING AND FOOD SERVICE OPERATIONS,

UNIVERSITY PARK Responsible to the manager of Maintenance Services for administering and coordinating maintenance functions in housing and other areas. High school or equivalent formal trades training and two to three years of effective experience required; knowledge of upholstery, plumbing, carpentry, electricity, electronics, ticket operated washers, dryers, ticket dispensers, and other maintenance skills as well as the ability to read and work from schematics is desirable.

ACCOUNTANT — HUB FOOD SERVICE, HOUSING AND FOOD SERVICE OPERATIONS, UNIVERSITY PARK Responsible to the manager of Business Services for the efficiency of the Hub Food Service Accounting Office, including inventory, operating and cash reports. Associate degree in accounting and one to two years of effective experience required; knowledge of word processing equipment desirable.

COORDINATOR, INSTRUCTION SUPPORT CENTER, COLLEGE OF EDUCATION, UNIVERSITY PARK Coordinate faculty efforts in use of existing computer-managed instruction center. Generate new applications that will improve testing and instruction services to faculty. Master's degree or equivalent in computer science or in education with instructional systems emphasis. Two years effective experience in computer systems design and/or systems development. THIS IS A FIXED TERM POSITION FUNDING THROUGH JUNE 30, 1982.

ASSISTANT DIRECTOR, DEVELOPMENT SERVICES, OFFICE OF GIFTS AND ENDOWMENTS, UNIVERSITY PARK Responsible to the director of Administrative and Information Services to provide administrative support relating to gift processing, accounting and reporting as well as accounting for office programs and projects. Assist in the maintenance of the Alumni/Development data base and the implementation of related services. Bachelor's degree or equivalent with one or more years of effective experience in accounting or management. Computer background desirable; oral and written communication skills important.

Faculty/Staff Alerts

Retirement system report available to employees

A copy of the 1980 State Employees' Retirement System annual report was

Funding Sources

For further information, call 865-1372

(364-1) The Resource Information Service (RIS) provides information to faculty and staff to support their needs of obtaining project funding for instruction, research, continuing education and for fellowships. RIS is the liaison between Penn State and the Office of Federal Programs (OFF), Washington, DC. OFF

Penn State Intercom



West Halls Quad will be bustling with activity when students arrive for Fall Term

Photo: Scott Johnson

Part-time work urged to offset aid reductions

In light of a reduction in College Work Study funds, University faculty and staff are urged to fill part-time payroll positions during the academic year with students in need of earnings to continue their studies.

"The Office of Student Aid received many more applications from eligible students for the College Work Study Program than could be awarded with funds available," Dr. Richard E. Grubb, senior vice president for administration, said.

"In view of this situation, we are asking that faculty and staff, in filling part-time positions, give priority to these students needing to offset their expenses."

According to Dr. John F. Brugel, director of student aid, approximately 800 to 1,000 fewer federal work study positions will be available during the 1981-82 academic year because of the funding cutbacks.

"Several thousand freshmen, upper-class and graduate students were eligible for employment under the program but were not awarded because of limited funds," he said.

"To best use our resources, we've instituted some cuts in the summer program in an effort to minimize the impact for the upcoming Fall, Winter and Spring terms. Nevertheless, the number of qualified and highly needy students far exceeds the funds available."

As a means of reducing the impact, the Office of Student Aid is encouraging utilization of existing University wage employment.

"We're encouraging voluntary use of a listing service at the Commonwealth Campuses and University Park," Dr. Brugel said, "on the premise that industrious and needy students will use this service seeking help. We can then direct them to on-campus jobs."

Departments having positions that can be filled by students are asked to notify the University Park Student Employment Office, 301-A Boucke Bldg., 863-0336-0337, or the Dean of Student Affairs Office at the campuses.

Students seeking work will be provided with job information, including job description, necessary application qualifications, hourly wage, and number of hours per week. The student will then contact the employer directly.

Japanese enjoy campus, special English program

Japanese school teachers visiting University Park this summer are vividly impressed by the spacious campus.

"Most conspicuous are the many green areas, which constantly delight our eyes," says Harumi Kurisaka, a high school teacher from Okayama Prefecture (County), Japan.

Mr. Kurisaka is the leader of a group of 42 Japanese junior and senior high school teachers who are spending a month participating in the "Intensive English Communication Program for Japanese Teachers."

Now in its 12th year at Penn State, the program is conducted by the Department of Speech Communication and Continuing Education under auspices of the Council on International Education Exchange and the Japan-American Society.

Gale Duque, coordinator of Speech Communication's English as a Second Language Program and director of the program for the Japanese teachers, describes the group as "very responsive, active and eager to practice their English communication skills."

Mr. Kurisaka agrees, noting "everyone is very diligent in doing their work."

Still, he says, the Japanese "don't feel any pressure — it's our duty to learn, so we can be better teachers and encourage our students at home."

Ms. Duque explains that the Japanese teachers-turned-students spend mornings learning about American culture and how to deal — in English — with various aspects of life in America.

For example, she says the group watches videotapes and then practices exercises on topics such as "Making a Local Telephone Call," "At the Post Office," "Declining an Invitation" and "Polite Responses to Embarrassing Questions."

The teachers also take field trips, complete assignments for which they

must speak with Americans and participate in evening "tastes of American culture" such as square dancing.

"The CIEE program actually consists of three components, of which Penn State's program is the first," Ms. Duque says.

The other components consist of a cross-country bus tour and living for two weeks with American families.

"Penn State's role in the overall program is to prepare the Japanese for the other two components," observes Ms. Duque.

As part of the training, Centre County area families have volunteered to serve as host families for the Japanese while they are at University Park, providing them the opportunity to experience American meals and an overnight visit in American homes.

After the group leaves Penn State on Aug. 22, it will travel by bus to Iowa, where it will disperse into the homes of

American school teachers for a two-week visit. In addition to experiencing family life with the teachers and sharing educational ideas, the Japanese will visit junior and senior high schools.

Then, it's back on the road again to San Francisco — via the Grand Canyon — where a flight to Japan will take the group home.

"The Japanese really enjoy the program, and more important, they say they really benefit from it," Ms. Duque notes.

She further observes that Penn State is one of only four universities which offer this particular program. The others are Syracuse University, the University of Massachusetts and Brown University.

"It's always exciting for us, and judging from this year's participants, the program remains very exciting to the Japanese," Ms. Duque says. "It offers all of us — Americans and Japanese — a great chance to learn many new things and to share in each other's culture."



Photo: Scott Johnson

Japanese school teachers look for familiar faces in group photographs of participants in previous programs in English communication. Gale Duque, Penn State project leader, and Harumi Kurisaka, Japanese group leader, are at far right.

Biomedical research grants are available

Faculty with research interests in the life and health-related sciences are invited to submit proposals to the Biomedical Research Support Grant program (BRSG) via department heads and Intercollege Research Programs directors. This is the second year in which screening of proposals will take place in the fall term.

The twelve-month awards will range from \$5,000 to \$15,000 for individual investigators, and up to \$30,000 for more than one investigator on a project. Preference will be given to projects not normally or easily funded by National Institutes of Health such as pilot projects, unforeseen requirements, and new

(Continued on page 4)

Penn Staters

Four members of the Cooperative Extension Service staff were among 110 agricultural agents in the United States who received Distinguished Service Awards from the National Association of County Agricultural Agents.

Cited for "outstanding educational contributions to Pennsylvania's agriculture" were **Harold R. Bock**, Clearfield County Extension director; **C. R. Bryan Jr.**, Delaware County Extension agent; **Gordon D. Walker**, Mifflin County Extension agent; and **Edward J. Woods**, Washington County Extension director.

Dr. John F. Brugel, director of student aid, has been elected to the Executive Committee of the Financial Aid Division of the Middle States Regional Assembly of the College Board.

Two members of the College of Agriculture communications staff received superior awards in the 1981 critique and awards program sponsored by Agriculture Communications in Education.

Harry A. Carey, Extension exhibits specialist, was cited for a large exhibit that explained Penn State programs and activities throughout the Commonwealth.

Paul D. Ruskin, video executive producer, was honored for a nonbroadcast television production.

Promotions

Faculty

Robert Bridges to assistant professor of psychology at New Kensington.

Donald J. Caputo to assistant professor of computer science at Beaver.

A. Ilhan Erinc to adjunct associate professor of microbiology and cell biology.

Catherine Hebert to assistant professor of French at New Kensington.

Marlene Pilarski to assistant professor of German at Worthington Scranton.

Staff Exempt

Lori L. Flesher to assistant manager, Housing and Food Services at Mont Alto.

Peter Garland to assistant director in Student Affairs.

Paul D. Schedler to business manager at Mont Alto.

David L. Stoner to materials procurer/expediter in Physical Plant.

Staff Non-Exempt

Lisa R. Burkhart to research technician at

Management Services.

Lawrence M. Mylin to research technician at Hershey.

Mark M. Smolke to grants and contract accountant in Controller's Office.

Joseph E. Witowski to respiratory technician II at Hershey.

Clerical

Rita H. Berg to secretary C in Business Administration.

"Electronic Field Production Manual," which focused on using videotaping equipment as a teaching tool.

Dr. Parris Chang, professor of political science, presented a talk on "The U.S. Policy toward China under the Reagan Administration" at the Korean Institute of Foreign Affairs and National Security.

He also conducted a seminar on the "Elite Conflict in the Post-Mao China" at the Social Science Research Center of the Seoul National University.

Dr. Edward J. Danis, Division of Undergraduate Studies consultant to the College of the Liberal Arts, participated in the 34th annual international conference, "Deutschland Heute," at the University of Kiel, Federal Republic of Germany.

Dr. Carolyn R. Dexter, associate professor of social science and sociology at Capitol Campus, has been appointed director of membership of the Academy of Management. Formally organized in 1941, the Academy now has nearly 5,000 members representing 37 nations.

Dr. Dexter, a member of the Academy's board of governors and placement committee, will serve a three-year term in her new position which also functions as a clearing house for national and regional meetings.

Karen E. Butler to clerk, accounting A in Controller's Office.

Viola R. Walters to clerk, typist A in Agriculture.

Rita C. Williams to statistical drafting clerk in Planning and Budget.

Tana L. Yingling to clerk, records A in Registrar.

Technical Service

Mark E. Amsler to storeroom clerk C at Hershey.

Winifred Burns to senior milk testing machine operator in Agriculture.

Thomas R. Carr to maintenance worker utility at Delaware County.

Margaret M. Cichy to patient service aide at Hershey.

Dorothy E. Clark to maintenance worker (general) B at Beaver.

Sally Houser to senior milk testing machine operator in Agriculture.

Ronald W. Knight to group leader/maintenance worker utility at Delaware County.

Gerald Liveringhouse to lead welder mechanic, fabrication and maintenance in Physical Plant.

Lorraine L. Moore to patient service aide at Hershey.

Obituaries

William A. Hammond, barnworker-milker in the College of Agriculture, died Aug. 7 at the age of 74. He was employed by the University from 1954 until 1969.

George J. Wilson, associate housekeeping supervisor with Housing and Foods, died Aug. 10 at the age of 38. He had been employed by the University since 1972.

Carpoolers

Susan Hall would like to share driving from Rebersburg or Millheim. She works from 8 a.m. to 5 p.m. in Steidle Bldg. Call either 863-1776 or 349-8023.

Peggy Repasky seeks either drivers or riders to form a carpool from Milesburg. She works from 7:30 a.m. to 4 p.m. in Pond Lab. Call either 863-2690 or 355-1357.

Dr. William L. Ferrara, professor of accounting, recently was awarded the Lybrand Bronze Medal for his article, "A Cash Flow Model for the Future," published in the June, 1981, issue of *Management Accounting*.

The Lybrand Medals were established in 1949-50 by members of Lybrand, Ross Bros. and Montgomery (now Coopers and Lybrand) to honor William M. Lybrand, a founder of the firm. Gold, silver, and bronze medals are awarded every year to member-authors of the National Association of Accountants who place first, second, and third in the manuscript competition.

While on leave of absence as visiting economist at MIT's Center for Energy Policy Research, **Dr. Richard L. Gordon**, professor of mineral economics, presented the 1981 Shell Lecture in Energy Economics at the University of Surrey, England.

Dr. Arnulf Muan, professor of mineral sciences and associate dean for research in the College of Earth and Mineral Sciences, has been elected a foreign member of the Royal Norwegian Academy of Sciences. He is one of only 10 Americans thus honored. The academy has a total of 33 foreign members.

Dr. Muan is a fellow and past president of the Mineralogical Society of America. Also, he is a fellow of the American Ceramic Society and of the Geological Society of America.

Dr. Torrence D. Parsons, associate professor of mathematics, presented a series of lectures in Hungary and Yugoslavia in July. In Eger, Hungary, he attended the Sixth Hungarian Colloquium on Combinatorics where he presented a paper entitled, "Longest Cycles in r-Regular, r-Connected Graphs." He presented a longer paper on the same topic the following week at the Beograd-Ljubljana Seminar on Graph Theory at the University of Ljubljana where he also discussed "A Pursuit-Evasion Problem."

At Ljubljana, **Dr. Parsons** also attended the doctoral thesis defense of Tomaz Pisanski, who received his master's degree in computer science from Penn State in 1979.

Retirements

Dr. Ernst Bleuler, professor and assistant head of the Department of Physics, retired from the University with emeritus status on June 30 after 17 years on the faculty.

Born in Switzerland in 1916, he was educated at the Federal Institute of Technology in Zurich where he also served on the faculty until he came to the U.S. and Purdue University in 1947. **Dr. Bleuler** served Purdue for 17 years before joining the Penn State faculty as a full professor in 1964.

A nuclear physicist, **Dr. Bleuler** did decay scheme studies of new radioactive species in Zurich; investigations of nuclear reactions at Purdue and low energy nuclear structure studies at Penn State. During 1961-62, he held a Guggenheim Fellowship and did high energy research at CERN, the European Center for Nuclear Research in Geneva, Switzerland.

In 1975, he began studies of the upper atmosphere in association with the Penn State Ionosphere Research Laboratory. He plans to continue that research in retirement and currently has several publications pending on mathematical models of electric fields and currents in the ionosphere and on thermospheric aeronomy.

Dr. Bleuler is the co-author of more than 50 research papers published in scholarly journals and of the book, *Experimental Neutronics*, published by Rinehart in 1952. He is co-editor of the book, *Methods of Experimental Physics II: Electronic Methods*, first published in 1964 and revised in 1975.

In addition to research, **Dr. Bleuler** plans to continue sailing and skiing during retirement. A member of the Nittany

Dr. Daniel R. Tershak, associate professor of microbiology, presented an invited paper at the Molecular Biology of Picornavirus Conference at the University of Hamburg, West Germany, this month. His paper was entitled "Guanidine Resistant DI Particles of Poliovirus."

Dr. William Toombs, professor of higher education and director of the Center for the Study of Higher Education, recently presented a series of seminars at Central University of Venezuela dealing with faculty development and academic program design.

Cecil R. Trueblood, professor of education, has received this year's "Outstanding Contribution to Mathematics Education Award" from the Pennsylvania Council of Teachers of Mathematics.

Dr. Trueblood, who serves as coordinator for undergraduate studies in the College of Education's Division of Curriculum and Instruction, was cited for his "numerous contributions to mathematics education at all levels."

The citation further expressed the Council's appreciation for the "leadership and guidance" **Dr. Trueblood** provided as a consultant to PCTM's "Pennsylvania Competency-Based Teacher Education Project."

The project, funded by the Pennsylvania Department of Education, "provided a real basis for improving mathematics education throughout the Commonwealth," the Council said.

Dr. Trueblood also is director of Penn State's federally funded Teacher Corps project in the Keystone Central School District in Renovo.

Dr. Herbert Wheeler Jr., professor emeritus of architectural engineering, was one of seven delegates from the United States representing the American Institute of Architects at the XIV World Congress '81 of the Union Internationale des Architectes in Warsaw, Poland.

Prof. Wheeler, head of the newly created Professional Development Group of the AIA, presented a report on the organization and future plans of the Group. He also organized a program and introduced 15 architects from 15 nations who delivered talks on architectural practice and education.

Valley Sailing Club, he can usually be found at club races in his Flying Junior. His wife, Ruth, is his usual crew.

Two associate professors of engineering research at the Applied Research Laboratory — **Harry M. Crain** and **John E. LeFrancis** — retired July 1.

Before coming to ARL in 1946, **Mr. Crain** worked at Columbia University's Division of War Research, where he was employed as a research engineer for the design, development and installation of underwater sound equipment, fractional horsepower servo systems, and associated electronic amplifiers.

While at ARL he obtained patents on a variety of inventions and authored a number of technical reports. He was a member of the Acoustical Society, the IEEE and Sigma Xi.

Mr. Crain, who holds a B.S. degree in electrical engineering from Penn State, says golf will probably dominate many of his retirement hours.

Mr. LeFrancis, who began his tenure at ARL in 1949, also was awarded patents for his inventions. As head of the Editorial Department, he edited numerous reports, viewpoint presentations, papers, articles and briefings. In addition, he prepared scripts for films and compiled and edited a national survey for the *Journal of Acoustics*. His personal interests over the years have included singing with a barbershop quartet, whitewater canoeing, weightlifting and photography.

Mr. LeFrancis, who holds a bachelor's degree in engineering from the University of Toledo, plans to begin his retirement with a construction project — building a porch onto his home.

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Gallu's new play, to debut here, will feature Ernest Borgnine

Ernest Borgnine, the actor whose roles have included the now classic *Marty*, and Sam Gallu, the playwright whose successes include the popular Truman portrait, *Give 'em Hell, Harry*, have joined forces in a new production that will have its world premiere at 8:30 p.m., Sept. 12, in Eisenhower Auditorium.

The play, entitled *An Offer You Can't Refuse*, uses a single actor to portray three generations of a powerful Mafia family. The show has been described as "whimsical, philosophical, sociological, and a prime example of black comedy."

Mr. Gallu created the new play for Mr. Borgnine whose family is, in fact, Italian, but hardly outside the law. His mother was of noble lineage, a contessa, and his father was a metallurgist from Turin. They immigrated to this country before their son was born.

The actor whom millions of television viewers know as the skipper on the popular series, *McHale's Navy*, began his own working life by enlisting in the Navy. (He is honorary skipper of the Navy's precision flying team, the Blue Angels, a position that he is very proud of).

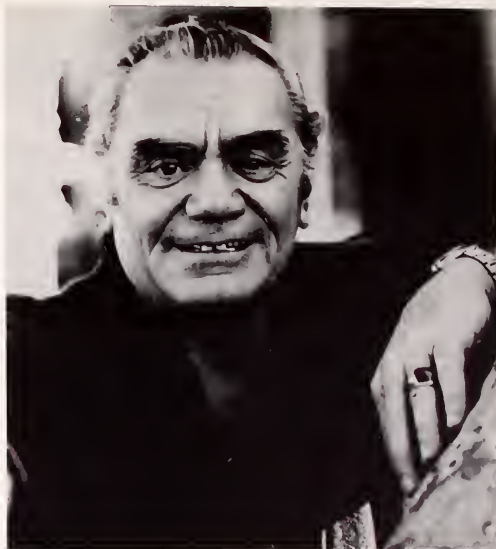
Mr. Borgnine's acting career was launched in the Broadway comedy, *Harvey*, and he soared to fame in motion

pictures with his sensitive portrayal of the lonely butcher Marty in the Paddy Chayevsky screenplay of the same name. His *Marty* won him an Oscar as best actor. His film credits are extensive, as is his television experience. In addition to *McHale's Navy*, he has starred in two other television series, *Sam Hill* and *Future Cop*.

Mr. Gallu is a 1940 graduate of Penn State and has been named both Alumni Fellow and Distinguished Alumnus. He maintains close ties with the University, particularly the College of Arts and Architecture for which he has established a scholarship fund named in honor of his parents, Simpson and Elizabeth Hall. The premiere performance of the play will benefit that fund.

Mr. Gallu and Mr. Borgnine will arrive on campus the week of Aug. 24 to rehearse the new play. The Sept. 12 performance is the only one to be given at the University. The show will go immediately on a tour that will take it to major cities across the country over the next nine months.

Tickets to the Penn State performance are being sold by mail order now. The Eisenhower box office will begin window sales Aug. 24 from 9 a.m. to 4 p.m. Monday-Friday. For information or to charge tickets, call 863-0255.



Ernest Borgnine

University Park Calendar

August 20-September 3 Special Events

Thursday, August 20

Final examinations, through Saturday, August 22.

Fall Term early registration, 8:30 a.m.-4:30 p.m., Room 112 Shields Building.

Nursing Consultation Center, "Advanced Relaxation Series," first meeting, 7-8:30 p.m. Information and registration, 863-2200.

Friday, August 21

Fall Term early registration, 8:30 a.m.-4:30 p.m., Room 112 Shields Building.

p.m., Room 112 Shields Building.

Sunday, August 23

Residence Halls closed for Summer Term, 3 p.m. Shaver's Creek Environmental Center, Wildflower Walk, 2-4 p.m., Stone Valley.

Tuesday, August 25

Ag Progress Days, 9 a.m.-5 p.m., Rock Springs Agricultural Research Center, Rt. 45W. Farm and home educational and commercial displays, programs. Admission free.

Wednesday, August 26

Ag Progress Days, 9 a.m.-7 p.m., Rock Springs Agricultural Research Center, Rt. 45W. Farm and home educational and commercial displays, programs. Admission free.

Thursday, August 27

Ag Progress Days, 9 a.m.-5 p.m., Rock Springs

Agricultural Research Center, Rt. 45W. Farm and home educational and commercial displays, programs. Free Admission.

Nursing Consultation Center, "Advanced Relaxation Series," second meeting, 7-8 p.m. Nursing Consultation Center, "Learning to Relax Series," final meeting, 3:30-4:30 p.m.

Saturday, August 29

Summer Term Commencement, 10:30 a.m., Rec Hall.

Monday, August 31

Arrival date for new students for Fall Term 1981. Distribution of faculty spaces for Fall Term, 7:45 a.m., Room C106 Pattee.

Wednesday, September 2

HUB Craft Center, registration for craft classes, noon-5 p.m., through September 17, Room 312 HUB.

Thursday, September 3

Fall Term Registration, Intramural Building. Continuing Education evening classes registration, noon-8 p.m., Room 101 Kern Building.

Continuing Education English and mathematics placement examinations, 6:30 p.m., Keller Conference Center. Nursing Consultation Center, "Advanced Relaxation Series," third meeting, 7-8 p.m.

Exhibits

Museum of Art: open 11 a.m.-4:30 p.m. Closed Mondays. Tours, Sundays, 1:30 p.m. Drawings and prints from the Museum's collection. "Hemline, Neckline, Streamline: Women's Fashions 1890-1940" from the collection of Beverly Brks. African Sculpture from the Museum's collection.

Pattee Library: Robert Andrucci, paintings, East Corridor Lobby. Naomi Gallagher, paintings, Lending Services Lobby. Martha Crothers, "The Design and Production of Children's Novelty Books," through August 28. Rare Books Room, Mary A. Martin, functional bookroom, Main Lobby.

Appointments

David N. Allen as assistant professor of public administration at University Park. B.S., Indiana U.; M.P.A., M.R.P., PSU; Ph.D., Indiana U. Assistant professor, U. of Louisville.

Craig R. Baumrucker as associate professor of nutrition/physiology at University Park. B.S., M.S., Eastern Illinois U.; Ph.D., Purdue U. Assistant professor, U. of Illinois.

Barbara Bronitsky as assistant professor of radiology at Hershey. B.S., Tulane U.; M.A., UCLA; M.D., PSU-Hershey. Resident in obstetrics and gynecology, radiology, Hershey.

Courtney B. Burroughs as research associate, Applied Research Laboratory at University Park. B.S., Kansas State U.; M.S.E., Ph.D., Catholic U. of America.

Dwight Davis as assistant professor of medicine at Hershey. B.S., North Carolina A & T State U.; M.D., U. of Rochester School of Medicine.

Daniel F. Dedrick as assistant professor of anesthesia at Hershey. B.S., M.I.T.; M.D., Yale U. School of Medicine. Instructor in anesthesia, Harvard Medical School.

Robert B. Duckrow as assistant professor of medicine at Hershey. Sc.B., Brown U.; M.D., Yale U. School of Medicine. Research associate, Department of Neurology, U. of Miami.

Howard R. Hall as assistant professor of psychology at University Park. B.S., Delaware State College; M.A., Ph.D., Princeton U.

Neita K. Israelite to assistant professor of communication disorders at University Park. B.S., PSU; D.Ed., U. of Pittsburgh. Senior teaching fellow, U. of Pittsburgh.

Helen W. Karl as assistant professor of anesthesia at Hershey. B.S., Smith College; M.D., U. of Virginia School of Medicine. Staff anesthesiologist, Children's Hospital of Philadelphia of the U. of Pennsylvania.

Joseph D. Lyster as assistant professor of radiology at Hershey. B.S., Lehigh U.; M.D., U. of Pennsylvania. Resident in radiation oncology, U. of California, San Francisco.

John L. Logan as assistant professor of French at University Park. A.B., Princeton U.; Ph.D., Yale U. Assistant professor, Princeton U.

Herbert J. Rotfeld as assistant professor of advertising at University Park. B.S., M.S., Ph.D., U. of Illinois. Assistant professor, Bowling Green State U.

Keith E. Short as research assistant, Applied Research Laboratory at University Park. B.A., UCLA, M.S., Stanford U. Lieutenant, U.S. Navy.

Anil K. Soni as assistant professor of mathematics at Mont Alto. B.Sc., M.Sc., Delhi University, India.

Steven J. Stack as associate professor of sociology at University Park. B.A., M.A. (Education), M.A. (Sociology), Ph.D., U. of Connecticut. Assistant professor, Indiana U.

Richard S. Tynell as librarian at Hazleton. B.A., Cornell U.; M.L.S., U. of Pittsburgh. Head librarian, reference department, Wright State U.

Bookshelf

Dr. Gerald M. Phillips' *Help for Shy People*, published recently by Prentice-Hall Inc., is based on the premise that shyness stems from a lack of skill rather than a psychological disorder. The book provides specific instructions and exercises to help shy people deal with commonly encountered situations.

Dr. Phillips, professor of speech communication, supplements his case with accounts of the shyness program that he and his associates conduct at Penn State. More than 3,000 young people and adults have learned basic speaking and conversational skills through that program.

"There is nothing wrong with people who are simply quiet because they wish to

be, so long as they can speak effectively when they want to," Dr. Phillips writes in his book. "The world might be a bit better off if most of us talked less and listened more. But shy people cannot compete well socially. They are constantly thwarted in what they seek."

He goes on to note that "shy people lack skill at talking with others. Their problem does not stem from a glandular imbalance, germs, heredity, or a fundamental flaw in their character. They simply have not learned how to talk well enough with others, and they have decided that it is probably not worth the effort to try."

Dr. Phillips says, however, that his experiences in the Penn State shyness program have convinced him that "virtually all shy people who want to can be trained to be effective in communication."

From the Press

Samuel Beckett's *Real Silence*, by Helene L. Baldwin. 171 pages. \$13.75.

Exploring the Christian symbolism throughout a major portion of Beckett's mature work, this book argues that Beckett is a writer of deep religious concern, not in the orthodox sense but in a sense fully as time honored. The path to "direct experience of Absolute or Unconditioned Being" is traced through the classic stages of the quest (detachment, darkness, silence, trance

illumination, and revelation) with examples from both the content and structure of the works. Included in Dr. Baldwin's focus are *Molloy*, *Malone Dies*, *The Unnamable*, *Watt*, *Not I*, *The Lost One*, and *Waiting for Godot*.

It is fitting that Beckett — an author frequently discussed in religious terms (his 1969 Nobel award cited him for signing the *dis tunc* [Judgment Day] of the human race — should finally be read as a religious writer.

Dr. Baldwin, a professor of English at Frostburg State College, received her Ph.D. from Penn State.

Biomedical research

(Continued from page 1)

investigators. Research proposed must be related to problems of human health.

Deadline for submission of proposals to 207 Old Main is Sept. 30. Following a preliminary screening by the Colleges or

IRP directors, awards will be recommended by a peer-university committee. Final awards will be announced by Oct. 30 by Dr. Richard C. Cunningham, vice president for research and graduate studies. Faculty desiring further information should call their ACOR deans or IRP directors.

University announces fall heating schedule

University heating systems will be turned on in residence halls on Monday, Sept. 7, as needed, according to Ralph E. Zilly, vice president for business and chairman of the Executive Energy Conservation Committee.

The Ritenour Health Center will have heating systems available from Tuesday, Sept. 1.

In classrooms and administrative buildings, comfort air conditioning will be shut down approximately on Monday, Sept. 14, and heat will be available starting Monday, Sept. 28.

Research areas will have seasonal air conditioning turned off on or about

Monday, Sept. 21, depending upon need. Adjustments can be made if this date creates problems in a research area.

"There could be some minor problems with systems that have been off for the summer months. We request that everyone be patient in the initial period," Mr. Zilly says. "To report any problems, please call the Physical Plant Service Desk at 865-4731."

Should short-range weather forecasts indicate the necessity, adjustments will be made to the announced dates, he noted.

The dates for turning on heat and shutting off air conditioning have been established through a statistical study of 30 years of hourly temperature history compiled by the Department of Meteorology.

approves, schedule evening credit courses at the University. A grant-in-aid is provided to eligible employees for a maximum of 16 credits taken in an academic year through residence instruction, continuing education, or a combination of both.

Detailed information is available in PS 36 and 37 of the Policy Manual and through Employee Benefits Division, 133 Willard Bldg.

University employees also may receive academic and career counseling through Continuing Education. For information on counseling and course schedules, contact the Continuing Education Office, 102 Boucke Bldg., phone 865-3443.

general assistance in the operation of The Behrend College Athletic Department. Associate degree in recreation and parks or equivalent in college education experience, plus two to three years experience in competitive sports, supervision and scheduling of athletic and recreational facilities and personnel.

MANAGER, CENTRAL PROCESSING, COLLEGE OF MEDICINE, HERSHEY Responsible to the assistant hospital director for the management and operation of the Central Processing Department which provides decontamination and sterilization services to the teaching hospital and research labs. A bachelor's degree in business administration or equivalency plus three to four years of effective central processing experience or at least one year of which should have been in a supervisory capacity.

ASSISTANT MANAGER, COLLEGE OF MEDICINE, HERSHEY Responsible to the manager, Social Services, for assistance in administering the Department of Social Services, as well as staff education plus supervision of patient treatment. Master of social work from an accredited college or university, or its equivalency, plus two to three years of effective experience.

GRAPHIC ARTIST, COLLEGE OF MEDICINE, HERSHEY Responsible to the department head of Medical Illustration for the design and production of graphics as requested by clients. Consult with clients, photographers and printers separately to determine client's needs and desires, suggest possible layouts, type styles and modifications. Review client's needs with photographer and arranging supervisor to assure the projects are carried out as stipulated by the client. Operate various equipment in the production of graphic arts services, such as headline, lettering, vignettes, art-graphs, photostats, plate burners, plate processing, transfer lettering, etc. Equivalent to an associate degree from an art drafting trade school and one to two years of related experience.

QUALITY ASSURANCE ASSISTANT, COLLEGE OF MEDICINE, HERSHEY Perform and/or assist with quality assurance studies by analyzing medical records or other relevant source documents to ascertain whether or not specific criteria have been met, act as a liaison to FSBO staff in reference to Medical Care Evaluation studies and requirements provided pursuant to the Quality Assurance Subcommittee, i.e., minutes, reports and other relevant material. Accredited record technician with at least two years of effective experience in performing medical care evaluation studies or equivalency.

SUPERVISOR, SURGERY RESEARCH ANIMAL LAB, COLLEGE OF MEDICINE, HERSHEY Responsible to a research assistant for the day-to-day operation of the experimental animal phase of the L.A.H. and T.A.H. research program. Bachelor's

Assistant provosts receive promotions

Rosemary Schraer and Richard P. Chait have been named associate provosts at the University. Both had been assistant provosts.

"The promotions reflect the excellent work and expanded responsibilities of Dr. Schraer and Dr. Chait," Provost Eddy said, in announcing the appointments.

"Both have assumed an increasing number of high-level administrative assignments over the past year."

Dr. Schraer, professor of biochemistry, was associate dean for research in the College of Science before being named assistant provost in 1978.

She joined the University faculty in 1960

Irvin Kochel assumes new responsibilities

Irvin H. Kochel, assistant vice president for administration, has been assigned the duties of the Office of Educational Relations, effective Aug. 24. He succeeds Ann Keiffer Bragg, who will leave the University Aug. 21.

Mr. Kochel, who will retain his present position and duties, will be responsible in his new post for coordinating Penn State's participation in the Regional Planning Councils across the state. He will serve as the University's representative on the Inter-Institutional Coordinating Committee for Region 4, which includes the University Park and DuBois campuses.

He also will maintain liaison with the State Department of Education and assist in communications with other institutions of higher education.

In his present position, Mr. Kochel has principal staff-wide responsibilities as principal staff officer to Dr. Richard E. Grubb, senior vice president for

and had formerly been a research associate for three years at the Albert Einstein Medical Center. She is a Fellow of the American Association for the Advancement of Science and a member of a number of professional and honorary societies.

Dr. Chait came to the University in January, 1980, from Harvard University, where he was educational chairman of the Institute for Educational Management and assistant professor in the Graduate School of Education.

He has held academic and administrative posts at the University of Wisconsin and Stockton State College in New Jersey. In addition to his work in the provost's office, he is affiliate associate professor of education in the Division of Educational Policy Studies.

administration. He is responsible primarily for assisting the divisions under Dr. Grubb's jurisdiction in maintaining external University relations, in planning and conducting programs, and for liaison relationships with other University offices.

Prior to being named to his present position in 1980, Mr. Kochel was director of Behrend College for 26 years, beginning in 1954. He also has held administrative positions at Schuylkill and the former Harrisburg Campus.

Part-time help wanted

Part-time employment at the Penn State Bookstore on campus is available for approximately the first two weeks of Fall Term, starting Aug. 31, for cashier-baggers. Interested spouses of faculty and staff members or other interested persons should contact William A. McVicker at 863-0205.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Aug. 27, 1981. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

PROGRAMMER, MANAGEMENT SERVICES, UNIVERSITY PARK Analyze and design or modify program logic; prepare and interpret general and detailed flow charts and structure charts; code program instructions; prepare test data; test programs and program systems; document programs and program systems; prepare or modify JCL. Bachelor's degree or equivalent in computer science or related field, plus six to nine months of effective experience are required. Proficiency with COBOL, or third generation computer equipment is desired. This is a FIXED TERM POSITION.

PUBLICATIONS OFFICER/PUBLIC RELATIONS COORDINATOR, COLLEGE OF MEDICINE, HERSHEY Responsible to the director of public relations for assisting in developing, implementing and managing a variety of programs in support of the overall goals and objectives of the division. Counsel College of Medicine personnel on their public relations needs. Develop training program for college interns in communications. Bachelor's degree (or equivalent) in journalism or related field plus one to two years of effective experience in writing and editing publications. Knowledge of printing procedures and news media practice are required.

SUPERVISOR OF ATHLETIC & RECREATIONAL OPERATIONS, BEHREND COLLEGE Responsible to the athletic director for scheduling facilities and equipment; assisting in the hiring, training and supervising of student personnel; overseeing intramural programs and outdoor recreation programs; athletic training for intercollegiate sports teams and varsity teams, and

degree in biology or equivalency plus one to two years of effective experience.

COMPUTER OPERATOR, UNIVERSITY LIBRARIES, UNIVERSITY PARK Responsible for preparing the computer for input, processing and for satisfactory completion of each scheduled computer operation. Duties include setting up for various programs and operations; preparing peripheral equipment; maintaining equipment; diagnosing problems for interruptions, verifying outputs; recording usage; and completing job run sheets. Equivalent to high school with operator's training in basic computer systems, equal to two years of college. One to two years of effective experience.

MANAGER, HUB FOOD SERVICE, HOUSING AND FOOD SERVICES, UNIVERSITY PARK Responsible for the operation and supervision of multi-unit food service operation including fast food operation, mini-caterers; salad operation, 150-seat restaurant, bakery sales outlet, pizza submarine shop; catering in the Union building, and mini-caterers operation in the Kern Graduate building. B.S. degree and four to seven years of effective experience in commercial or college union food service; working knowledge of merchandizing, marketing, promotion, and break-even analysis preferred.

UNDERGRADUATE STUDIES ADVISOR/CONSULTANT, COMMONWEALTH EDUCATIONAL SYSTEM, OGONTZ

CAMPUS Conduct freshmen testing, counseling and advising program; provide an advisory role to degree candidates and provisional students; responsible for academic information support services; provide professional evaluation and counseling to students for educational, vocational, and academic type problems; conduct in-service training programs for new Division staff, responsible for control of all confidential materials and student records. Master's degree, or equivalent, plus one to two years effective experience in college level student advising and counseling for day and evening students.

SENIOR INSTRUCTIVE SERVICE SPECIALIST, COMMONWEALTH EDUCATIONAL SYSTEM, OGONTZ **CAMPUS** Responsible to assistant director (Resident Instruction) to provide and encourage wide variety of instructional resources by faculty and students. Consult and advise in selection and use of instructional media; procure and/or produce instructional materials of various kinds, and advise faculty in design, format and production; responsible for scheduling all equipment; work with Librarian to develop and maintain appropriate information system; schedule and coordinate all television courses.

Bachelor's degree or equivalent, preferably in a field such as education or instructional media, and work progressing toward a master's degree, with one to two years of effective experience; or master's degree or equivalent, with up to one year of effective experience.

RESIDENCE AREA COORDINATOR, BEHREND COLLEGE Responsible to the assistant dean of student affairs for carrying out specific responsibilities for residence hall program. Responsibilities include administration of the conduct standards system; selection and supervision of student assistants; developing cultural, social and educational programs, and counseling of students. Master's degree in college student personnel or related field with up to one year of effective experience, or bachelor's degree in relevant undergraduate major with one to two years of residence hall supervisory experience, or equivalent background and experience.

CHIEF TECHNOLOGIST, NIGHTS AND WEEKENDS, COLLEGE OF MEDICINE, HERSHEY Responsible to the manager of the Clinical Laboratories for the direction and efficient functioning of the various sections of the Clinical Laboratories on the evening and night shift, seven days a week. Also responsible to the director of the Clinical Laboratories for the selection of testing methods, quality control, normal ranges and other technical direction. Bachelor's degree in medical technology—MT (ASCP) and/or equivalent plus a minimum of four to seven years effective experience as a clinical laboratory.

ART ASSISTANT, COMMONWEALTH EDUCATIONAL SYSTEM, UNIVERSITY PARK Responsible to the director of University Graphics Services under the general supervision of an art specialist for the design and execution of artwork assisting, maintaining professional standards and creativity under deadline and budgetary limitations. Bachelor's degree or equivalent plus one year effective experience. Employee should have experience in television graphics (including set design), graphic design, layout and mechanicals (for printed press), preparation of overhead transparencies, posters for classroom instruction, and exhibits and displays. Illustration and cartooning skills are also utilized.

MANAGER, HOUSING AND FOOD SERVICES, MONT ALTO Responsible for the operation of Housing and Food Services at the Mont Alto Campus. Direct operations of cafeteria, snack bar, and catering assignments of rooms, housekeeping and maintenance services. Coordinate activities with Dean of Student Affairs and Campus Director. B.S. or equivalent, plus two to three years of related experience required.





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